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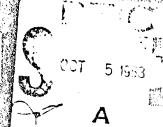
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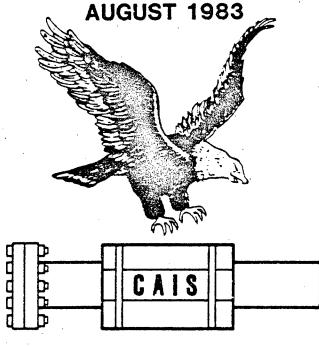
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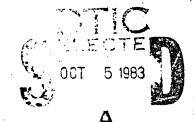


DISPOSAL OF CHEMICAL AGENT IDENTIFICATION SETS AT ROCKY MOUNTAIN ARSENAL, COLORADO

FINAL REPORT VOLUME II

APPENDICES A-D





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US ARMY TOXIC AND HAZARDOUS MATERIALS AGENCY
ABERDEEN PROVING GROUND, MARYLAND 21010

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APPENDIX A

APPENDIX A OPERATION OF THE DATA ENTRY AND DATA PRINT PROGRAMS

A.1 OPERATION OF THE DATA ENTRY PROGRAMS

The ID Sets Data Entry Programs are a series of interactive computer programs that were designed to enter air monitoring, inventory and plant downtime data onto computer cartridge tape. The twelve computer programs are each stored in separate files on a single cartridge or program tape. The Data Entry Programs were written to utilize the Tektronix 4051/4052 micro-computers in conjunction with the Tektronix 4924 external tape drives.

The computer operator begins the data entry process by inserting the cartridge tape containing the Data Entry Programs into the internal tape drive of the computer. The operator then presses the "AUTO LOAD" key on the upper right-hand side of the keyboard. The "AUTO LOAD" feature automatically executes three functions:

- 1) FIND 1 this statement tells the computer to find the beginning of the first program file on the cassette tape.
- 2) OLD This statement directs the computer to load the contents of the first program file into the computer's memory.
- 3) RUN This statement executes the program that was loaded into memory.

After pressing the "AUTO LOAD" key, the message in Figure A-1 appears.

From this time on, the interactive process between the computer and the operator continues. The computer communicates with the operator by printing messages on the screen of the CRT. The first question asked by the computer concerns instructions for using the program. See Figure A-2.

If no directions are required, the operator responds by entering an "N" and pressing the "RETURN" key. The computer then asks the operator if the data tape has been labeled. See Figure A-3.

An "N" in response to this question will result in the computer executing the tape labeling routine. The operator is then instructed to place a cartridge tape into the 4924 external tape drive. See Figure A-4.

Next the operator is asked a series of questions that will determine the internal label which will become the first record on the tape file. This record contains the day of the week and a numeric code which represents the data type. Once the data tape has been labeled, the operator is ready to enter data. See Figures A-5 and A-6.

The operator is now instructed to enter a data sheet number from a list of available programs. See Figure A-7.

The computer will then ask a series of questions that correspond to the data coded on the various data sheets. Selection of a data sheet number which corresponds to Analyst and Lab Coordinator Work Sheets will result in the computer asking a series

of questions similar to those given in Figure A-8. The questions asked for the MIRAN selection can be found in Figure A-9. Figure A-10 shows the questions asked for Bldg. 1611 Receipt Inspection. Five separate data entry programs exist for the Process Data. See Figures A-11 through A-16. Questions for plant downtime data can be found in Figure A-17.

Once the operator has finished entering data, he or she responds with an "N" to the question of more data. The computer places an "End of File" mark on the data tape and the program is ended. The data tape is then printed out, verified and edited.

A.2 OPERATION OF THE DATA PRINT PROGRAMS

The ID Sets Data Print Programs are a set of interactive computer programs that are used to print out air monitoring, inventory and plant downtime data. The Data Print Programs were written to utilize the Tektronix 4051/4052 micro-computers in conjunction with the Tektronix 4924 external tape drives and the Tektronix 4641 character printer.

The computer operator begins the data print process by inserting the cartridge tape containing the print programs into the internal tape drive of the computer. The operator then presses the "AUTO LOAD" key on the upper right-hand side of the keyboard. The directory shown in Figure A-17 appears and the operator is instructed to enter the data sheet number which corresponds to the type of data he or she wishes to print.

A message similar to that shown in Figure A-18 then appears on the computer screen

The operator is instructed to insert the data tape into the external 4924 tape drive. See Figure A-19.

The operator then presses the "RETURN" key to begin. Data is then printed out on the 4641 character printer. See Figure A-20.

The procedure is similar, with the exception of downtime data, for all data types. The operator may be asked to enter the unit number for the external tape drive for some programs. The operator may also have the option of producing a hard copy via the Tektronix 4631 hard copy unit. See Figures A-21 through A-24.

The print program for downtime data has two options. Downtime data, the first option, prints a particular day's plant downtime data on the line printer. See Figure 25. The downtime data is stored on the data tape as a numeric code. The downtime print program translates the numeric code into the actual descriptive terms (names).

The second option prints the names corresponding to the downtime keys. In other words, the program prints *all* numeric codes and corresponding descriptive terms. See Figure A-26.

A.3 DATA CORRECTION

Once the computer operator has finished entering data, he or she then prints out the data using the ID Sets Data Print Programs. Verification of the data is performed by comparing the computer print-out to the original data sheets.

Errors detected during the verification process are corrected by the use of the Tektronix 4050 series R06 editor. The editor is an R0M pack that is plugged into the back of the Tektronix computer. The computer operator inserts the data tape that he or she wishes to correct into the computer's internal tape drive. The operator enters the statement "CALL EDITOR" from the keyboard in order to make the editor routines available. Editor commands and instructions on the use of the editor can be found in the Tektronix 4050 Series R06 Editor Operator Manual. This manual is available through:

Tektronix, Inc. P.O. Box 500 Beaverton, Oregon 97077

A.4 OPERATION OF THE MERGE PROGRAM

The Merge Program was designed to merge the six separate data files of the inventory data tape into a single file that is acceptable to the USATHAMA Univac computer. The program also changes the dates given on the inventory data tape to Julian format.

The computer operator places the Merge Program tape into the internal tape drive of the computer and presses the "AUTO LOAD" key. The directory on Figure A-27 appears on the computer screen. Option 2 is selected. Option 1 (MIRAN 80 data) was discarded before the ID Sets processing activity was started.

The operator is instructed to place the inventory data tape into the internal tape drive. The output data tape is placed in the external 4924 tape drive. The computer reads the tape placed in the internal tape drive, reformats the data and writes the reformated data on both the line printer and the data tape located in the external tape drive. The data on the original data tape is left unchanged. The data on the new tape is now in a format compatible with the USATHAMA Univac computer. See Figure A-28.

A.5 OPERATION OF THE TOTALS PROGRAMS

The ID Sets Totals Programs are a set of computer programs that update data tapes for ID Sets processed, drums of waste and plant downtime. The Totals Programs also produce daily reports and reports for any given period of time.

The computer operator inserts the Totals Program cartridge tape into the internal tape drive of the Tektronix computer. The "AUTO LOAD" key is pressed and the directory in Figure A-29 appears on the computer screen.

Program 1 updates the processed ID Sets Totals and prints a daily report. The operator is instructed to place the inventory data tape into the internal tape drive. Another tape, the ID Sets Totals tape, is placed into the 4924 external tape drive (see Figure A-30). The ID Sets Totals data tape contains a running total by type of sets destroyed and is updated by the Totals Program.

Program 2 reads the ID Sets Totals tape and produces a report for any given period of time. See Figure A-31 for its instructions.

Drum totals are updated and a daily report is printed by Program 3. The inventory data tape for a particular day is inserted into the computer's internal tape drive. A Drum Totals data tape is inserted into the 4924 external tape drive. The Drum Totals data tape contains a running total by type of drums produced. See Figure A-32 for instructions.

Program 4 reads the Drum Totals data tape and prints a report for any period of time. See Figure A-33 for instructions.

Program 5 updates a downtime data tape but does not produce a daily report. See Figure A-34 for instructions.

Program 6 reads the Downtime Totals data tape and produces up to five different downtime reports for any given period of time. See Figure A-35 for instructions and Figure A-36 for the directory of downtime reports.

All Totals Programs print reports on the Tektronix 4641 character printer. The ID sets processed and drum totals routines contain an option for hard copies on the Tektronix 4631 hard copy unit.

GLOSSARY OF TEKTRONIX HARDWARE TERMS List of Tektronix Hardware Used in ID Sets by Model Number

- 4051 A micro-computer containing 32K RAM high resolution graphics display, internal cartridge tape drive and BASIC interpreter in ROM.
- 4052 Enhanced version of 4051 containing a faster CPU and 64K RAM. Otherwise the two machines are compatible. Both use the same version of BASIC.
- Device used to make a hard copy image of the display on the 4050 series microcomputer. The copy is produced on heat sensitive paper that is suitable for reproduction.
- 4641 Character printer that can be connected to a 4050 series micro-computer through a serial interface module. The printer is used to produce printouts of all data.
- Digital plotter which can be used with the 4050 series micro-computers by way of the GPIB (General Purpose Interface Bus). The plotter is used to produce larger scale plots than can be shown on the screen. The plotter serves as an alternative display device that may be used as backup when the 4631 is inoperable.
- 4924 External cartridge tape drive that may be connected to the 4050 series Tektronix micro-computers. The GPIB is used to allow communication between the computer and the external drive. The external drive is completely compatible with the internal drive.

DO YOU HEED DIRECTIONS FOR USING THESE PROGRAMS? (Y OR N)

FIGURE A-1

INSTRUCTIONS FOR DATA ENTRY PROGRAMS:

- 1. FOR THE FIRST RECORD, A NUMBER OF X'S WILL APPEAR
 TO SHOW THE LENGTH OF EACH DATA FIELD. FOR EXAMPLE,
 XXXXXX REQUIRES THAT 6 OR FEWER CHARACTERS BE ENTERED.
- 2. AFTER THE FIRST RECORD HAS BEEN ENTERED, INSTEAD OF X'S, THE PREVIOUSLY ENTERED VALUE APPEARS. IF YOU WISH TO REPEAT THIS VALUE SIMPLY PRESS THE ENTER KEY. IT IS NOT NECESSARY TO REENTER THE VALUE.
- 3. IN SOME CASES (EXAMPLE: DATE, TIME, CONTROL NUMBER) THE FIELD MUST BE COMPLETELY FILLED.
- 4. NUMERICAL DATA MUST CONTAIN A DECIMAL POINT.
- SOME HUMERICAL DATA MAY BE PRECEDED BY A < OR > SYMBOL. NO + OR - SIGHS ARE ALLOHED.
- 6. IF AN ITEM IS MISSING ENTER: M
- 7. IF AN ITEM IS NOT APPLICABLE ENTER: HA
- B. IF YOU MAKE AN ERROR AND WISH TO BEGIN THE RECORD AGAIN PRESS USER DEFINABLE KEY 01 (UPPER LEFT). REENTER DATA FROM THE BEGINNING OF THE RECORD.
- 9. IF YOU WISH TO EXIT FROM A PROGRAM, PRESS USER DEFINABLE KEY #2 (UPPER LEFT).

THE PROGRAM CHECKS THE INPUT FORMATS AND WILL PROMPT YOU IF YOU MAKE A MISTAKE.

PRESS 'HOME PAGE' KEY TO CONTINUE

or a little was a second

DO YOU HEED DIRECTIONS FOR USING THESE PROGRAMS? (Y 68 M) M HAS YOUR DATA TAPE BEEN LABELLED? (ENTER Y OR N) M

FIGURE A-3

PLACE TAPE CASSETTE IN UNIT 4924

ENTER THE UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11

IS THIS A BRAND HEN TAPE? (ENTER Y OR N) N

ENTER THE COMPLETE NAME OF THE DAY OF THE HEEK MONDAY

FIGURE A-4

DATA SHEET 8	CONTENTS		
1 2 3 4 9 10-15	ANALYST AND LAB COORD	HORK SHEETS	(H, CK, CH, PE) (AS) (GB) (L)

THIS LABEL IS FOR DATA SHEET #1 FOR MONDAY
IS THIS OR? (ENTER Y OR N) Y

DO YOU HANT TO LABEL ANOTHER TAPE? (ENTER Y OR N) N

HORMAL END OF PROGRAM

DO YOU HANT TO ENTER DATA? (ENTER Y OR N)

ENTER DATA SHEET NUMBER FROM THE ABOVE LIST 1

BO YOU HEED DIRECTIONS FOR USING THESE PROGRAMS? (Y OR N) N HAS YOUR DATA TAPE BEEN LABELLED? (ENTER Y OR N)

FIGURE A-6

DIRECTORY FOR ID SETS DATA ENTRY PROGRAMS UERSION 9 - 85/83/81

DATA SHEET #	CONTENTS
1	ANALYST AND LAS COORD WORK SHEETS (H.CK,CH,PS,T)
.	ANALYST AND LAB COORD NORK SHEETS (AS)
<u> </u>	The state of the s
3	ANALYST AMD LAB COORD HORK SHEETS (GB)
4	ANALYST AND LAB COORD NORK SHEETS (L)
9	AHALYTICAL DATA SHEET (MIRAM 88)
18	BLDG 1611 RECEIPT INSPECTION
11	PROCESS DATA - DISASSEMBLY ROOM
12	PROCESS DATA - RESIDUE AREA (PIGS)
13	PROCESS DATA - RESIDUE AREA (DRUMS)
14	PROCESS DATA - SPRAY DRYER
. 15	PROCESS DATA - ELECTROSTATIC PRECIPITATOR
16	PLANT DOWNTING DATA

ENTER DATA SHEET HUMBER FROM THE ABOVE LIST 1

IS THIS ANALYST NORK SHEET DATA FOR K. CK. CH OR PST ENTER Y OR H Y INSERT THE DATA TAPE INTO UNIT 4924 ENTER THE UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11 ENTER THE FIRST 3 LETTERS OF THE DAY OF THE HEEK HON IS THIS DATA FOR A NEW HEEK? (ENTER Y OR H)

BEGIN DATA ENTRY PRON ANALYST MORK SHEET DE ENTER PAGE HUNDER XX

ENTER DATE OF THE SAMPLE COLLECTION (DONNYY) XXXXXX

ENTER SERIAL HUNDER X

ENTER CONTROL HUNDER XXXXXX

ENTER CALISRATION STD, CONC. XX.XXX

ENTER PEAK HEIGHT XXX.XX

ENTER AGENT CONCENTRATION XXX.XX

ENTER DILUTION XXXXXX

ENTER BUSSLER VOLUME XXXX.XX

ENTER CONCENTRATION(/SAMPLE) XXX.XX

ENTER AMALYSIS TIME XXXX

ENTER INITIALS XXX

SECTIVE DATA ENTRY FROM LAS COORSTNATOR MORK SHEET OF ENTER THE CONTROL NUMBER (AMANDA) MORKHIM

IS THIS REAMALYSIS DATAY (ENTER Y ON H) ENTER PAGE MUNBER XX ENTER SET TYPE XXXXX

ENTER LOCATION XX

ENTER PURPOSE XX

ENTER START TIPE XXXX

ENTER STOP TIME XXXX

ENTER AIRFLOW XXXX.X

ENTER CONTROL CONCENTRATION X.XXX

ENTER AIR SAMPLE CONCENTRATION XXX.XXXX

IS THERE AN AMALYST'S COMMENT? (ENTER Y OR H) N
IS THERE A LAB. DATA COORD. COMMENT? (ENTER Y OR H) N
RORE DATA? (ENTER Y OR H) N NILL END PROGRAM) Y

DATA ENTRY PROGRAM FOR MIRAN BO

INSERT THE CUTPUT DATA TAPE INTO UNIT 4924

ENTER THE UNIT HUMBER YOU ARE USING FOR THE CUTPUT TAPE 11

ENTER THE FIRST 3 LETTERS OF THE DAY OF THE MEEK MON

IS THIS DATA FOR A NEW WEEK? (ENTER Y OR N) Y

ENTER PAGE NUMBER XX

ENTER DATE OF THE SAMPLE COLLECTION (DOMNYY) XXXXXX

ENTER SERIAL NUMBER OF MIRAN X

ENTER SET TYPE XXXX

ENTER LOCATION XX

ENTER PURPOSE XX

ENTER START TIME XXXX

ENTER STOP TIME XXXX

ENTER CHLOROPICRIN - 1 HOUR AVERAGE XXXX.XX

ENTER CHLGROPICRIN - PEAK XXXX.XX

ENTER INITIALS XXX.

ENTER PHOSGENE - 1 HOUR AVERAGE XXXX.XX

ENTER PHOSCEHE - PEAK XXXX.XX

ENTER INITIALS XXX

ENTER CHLOROFORM - 1 HOUR AVERAGE XXXX,XX

ENTER CHLOROFORM - PEAK XXXX.XX

ENTER INITIALS XXX

IS THERE A COMMENT? (ENTER Y OR N)

MORE DATA? (ENTER Y OR N; H HILL END PROGRAM)

IS THIS BLDG 1611 RECEIPT INSPECTION DATA? (ENTER Y CR N) Y
INSERT THE DATA TAPE INTO UNIT 4924
ENTER THE UNIT MUNBER YOU ARE USING FOR THE DATA TAPE 11
ENTER THE FIRST 3 LETTERS OF THE DAY OF THE NEEK HON
IS THIS DATA FOR A HEN NEEK? (ENTER Y OR N) Y
ENTER PAGE NUMBER XX
ENTER DATE OF THE SAMPLE COLLECTION (DDMMYY) XXXXXX
ENTER SET TYPE XXXX
ENTER SET HUMBER XXXX
ENTER ACTION - IF DESTROYED ENTER AN X
X
ENTER COMMENT (43 CHARACTERS OR LESS)

18 THERE ANOTHER COMMENT? (ENTER Y OR N) N HORE DATA? (ENTER Y OR N) N HILL END PROGRAM) N PROGRAM FINISHED

FIGURE A-10

IS THIS PROCESS DATA (DISASSENBLY ROOM)? (ENTER Y OR MY Y INSERT THE DATA TAPE INTO UNIT 4924

ENTER THE UNIT HUNGER YOU ARE USING FOR THE DATA TAPE 11

ENTER THE FIRST 3 LETTERS OF THE DAY OF THE MEEK HON

IS THIS DATA FOR A NEW MEEK? (ENTER Y OR N) Y

ENTER PAGE NUMBER XX

ENTER DATE OF THE SAMPLE COLLECTION (DOMNYY) XXXXXX

ENTER SET TYPE XXXX

ENTER STATION NUMBER XX

ENTER COMMENT (47 CHARACTERS OR LESS)

IS THERE ANOTHER COMMENT? (ENTER Y OR N) N
MORE DATA? (ENTER Y OR N) N WILL END PROGRAM) N
PROGRAM FINISHED

IB THIS PROCESS DATA (RESIDUE AREA - PIGS)? ENTER Y OR H Y

ENTER THE UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11 ENTER THE UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11 ENTER THE FIRST 3 LETTERS OF THE DAY OF THE NEEK MON IS THIS DATA FOR A NEW MEEK? (ENTER Y OR N) Y ARE YOU ENTERING DATA FROM A NEW PAGE? (ENTER Y OR N) Y ENTER PAGE HUMBER XX ENTER DATE OF THE SAMPLE COLLECTION (DDMMYY) XXXXXX ENTER SET TYPE XXXX ENTER SET HUMBER XXXX

FIGURE A-12

IS THIS PROCESS DATA (RESIDUE AREA - DRUMS)?
ENTER Y OR N Y

INSERT THE DATA TAPE INTO UNIT 4924

ENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE 11

ENTER THE FIRST 3 LETTERS OF THE DAY OF THE NEEK HON

IS THIS DATA FOR A HEN HEEK? (ENTER Y OR N) Y

ARE YOU ENTERING DATA FROM A NEW PAGE? (ENTER Y OR N) Y

ENTER PAGE NUMBER XX

ENTER DATE OF THE SAMPLE COLLECTION (DOMMYY) XXXXXX

ENTER DRUM NUMBER XXXXX

ENTER DRUM NEIGHT XXX

ANY HORE DATA FROM THIS SHEET? (ENTER Y OR H) N ENTER TOTAL DRUMS

IS THIS PROCESS DATA (SPRAY DRYER)? ENTER Y OR N Y

INSERT THE DATA TAPE INTO UNIT 4924
ENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE 11
ENTER THE FIRST 3 LETTERS OF THE DAY OF THE NEEK MON
IS THIS DATA FOR A NEW WEEK? (ENTER Y OR N) Y
ARE YOU ENTERING DATA FROM A NEW PAGE? (ENTER Y OR N) Y
ENTER PAGE NUMBER XX
ENTER DATE OF THE SAMPLE COLLECTION (DOMMYY) XXXXXX
ENTER DRUM NUMBER XXXXX
ENTER DRUM WEIGHT XXX

ANY NORE DATA FROM THIS SHEET? (ENTER Y OR N) N ENTER TOTAL DRUMS

FIGURE A-14

IS THIS PROCESS DATA (ELECTROSTATIC PRECIPITATOR)?
ENTER Y OR N Y

INSERT THE DATA TAPE INTO UNIT 4924

ENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE 11

ENTER THE FIRST 3 LETTERS OF THE DAY OF THE NEEK
NON

IS THIS DATA FOR A NEW WEEK? (ENTER Y OR N) Y

ARE YOU ENTERING DATA FROM A NEW PAGE? (ENTER Y OR N) Y

ENTER PAGE NUMBER XX

ENTER DATE OF THE SAMPLE COLLECTION (DOMMYY) XXXXXX

ENTER DRUM NUMBER XXXXX

ENTER DRUM WEIGHT XXX

ANY MORE DATA FROM THIS SHEET? (ENTER Y OR H) H ENTER TOTAL DRUMS

IS THIS ID SETS PLANT DOWNTINE DATA? (ENTER Y OR N) Y INSERT THE DATA TAPE INTO UNIT 4924 ENTER THE UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11 ENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK MON IS THIS DATA FOR A NEW MEEK? (ENTER Y OR N) Y ENTER PAGE NUMBER XX ENTER DATE OF THE SAMPLE COLLECTION (DOMMYY) XXXXXX ENTER START TIME XXXX ENTER STOP TIME XXXX ENTER SINULTANEOUS (Y OR H) X ENTER SUBSYSTEM NUMBER XX ENTER PRIMARY COMPONENT NUMBER XX ENTER SECONDARY COMPONENT NUMBER XX ENTER DESCRIPTIVE ACTION XX ENTER FAILURE MODE XX ENTER CORRECTIVE ACTION XX ENTER EFFECT ON PRODUCTION XX

ENTER COMMENT (57 CHARACTERS OR LESS)

MORE DATA? (ENTER Y OR H; N WILL END PROGRAM) N PROGRAM FINISHED

DIRECTORY FOR 1D SEYS BOTH PRINT PROGRAMS VERSION 9 - 8/28/81

DATA SHEET 0	CONTENTS
1 2 3 4 9 10 11 12 13 14 15 16	ANALYST AND LAB COORD HORK SHEET (H,CK,CH,PS,T) ANALYST AND LAB COORD HORK SHEET (AS) ANALYST AND LAB COORD HORK SHEET (GB) ANALYST AND LAB COORD HORK SHEET (L) ANALYTICAL DATA SHEET (MIRAH 88) BLDG 1611 - RECEIPT INSPECTION PROCESS DATA - DISASSEMBLY ROOM PROCESS DATA - RESIDUE AREA (PIGS) PROCESS DATA - RESIDUE AREA (DRUMS) PROCESS DATA - SPRAY DRYER PROCESS DATA - ELECTROSTATIC PRECIPITATOR PLANT DOWNTIME DATA

ENTER DATA SHEET HUMBER

FIGURE A-17

INSERT THE DATA TAPE INTO UNIT 4924 PRESS ENTER KEY TO BEGIN

FIGURE A-18

INSERT DATA TAPE INTO EXTERNAL TAPE DRIVE

FIGURE A-19

PROGRAM TO PRINT PROCESS DATA SHEET - DISASSEMBLY ROOM INSERT DATA TAPE IN UNIT 4924

DO YOU WANT TO USE THE HARD COPIER? ENTER (Y OR N) H

ENTER UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11

PROGRAM TO PRIM?
PROCESS DATA SHEET - DECOMMED PIG CONTROL
INSERT DATA TAPE IN UNIT 4924

DO YOU WANT TO USE THE HARD COPIER? ENTER (Y OR H) H

ENTER UNIT HUMBER YOU ARE USING FOR THE DATA TAPE

FIGURE A-21

PROGRAM TO PRINT
PROCESS DATA SHEET - FURNACE RESIDUE CONTROL
INSERT DATA TAPE IN UNIT 4924

DO YOU MANT TO USE THE HARD COPIER? ENTER (Y OR N) N

ENTER UNIT NUMBER YOU ARE USING FOR THE DATA TAPE 11

FIGURE A-22

PROGRAM TO PRINT PROCESS DATA SHEET - SPRAY DRYER INSERT DATA TAPE IN UNIT 4924

DO YOU WANT TO USE THE HARD COPIER? ENTER (Y OR N) N

ENTER UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11

FIGURE A-23

PROGRAM TO PRINT
PROCESS DATA SHEET - ELECTROSTATIC PRECIPITATOR
INSERT DATA TAPE IN UNIT 4924

DO YOU WANT TO USE THE HARD COPIER? ENTER (Y OR N) N

ENTER UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11

ENTER 1 OR 2: 1

INSERT DATA TAPE IN UNIT 4924 ENTER UNIT NUMBER YOU ARE USING FOR THE DATA TAPE 11

SUBSYSTEMS		•	
1	POWER DISTRIBUTION	30	SPRAY TREE
2	SERVICE AIR	31	CONVEYOR
3	POTABLE WATER	32	SEAR
2	STEAM AND CONDENSATE	. 33	WINDOW
5 6	FUEL OIL	34	HOT SHOE
7 .	PROCESS WASTE	35	INSIDE CART
á '	FIRE PROTECTION	36	OUTSIDE CART
•	HVAC	37	DOOR
10	ELECTROSTATIC PRECIP	· 38	GAUGE
11	SCRUBBERS	40	TANK HOPPER
12	CONTROL ROOM	41	TRAY
13	DEACT FURNACE	42	RACK
14	DECON FURNACE	43	HOIST
15	AFTER BURNER	44	CABLE
14	EMERGENCY POWER	45	BLOCK/HOOK
17 18	QUENCH	46	LIFTING DEVICE
17	SPRAY DRYER	47	PALLET
20	RECEIVING & HANDLING	48	BURNER
21	GLOVE BOX DECON HODULE	49	PILOT
22.	BOX FEED	50	FIREYE
23	RESIDUE HANDLING	51	SUMP
24	SET HOVEHENT (TSY)	52 53	PIPE
25	ENVIRO HONITORING	33 54	BOILER Coil
	•	55	TRAP
99 .	administrative	54	HEATER
		57 .	FILTER
		58	STRAINER
		, 59	THERMOSTAT/THERMOCOU
		60	LINKAGE
	•	61	BLOWER
	•	62	FAN
		63	OVERPACK
		64	GLOVES
	•	65 66	SPHINCTER WRENCH
COMPONENTS		67	COMPRESSOR
COMPONENTS		68	DRTER
		69	HEAT EXCHANGE/COOLER
1 .	ACTUATOR, FEELER	70	CONTROL PANEL
ż	HOTOR	71	TV MONITOR
3	PUMP	72	CART TOP
4	VALUE	73 74	CIRCUIT BREAKER
5	BELT	7 5	LIGHT
6	SEAL	76	MIRAN BO
7 .	SHAFT	77	BUBBLER/FILTER
8	CHAIN	. 78	TABLE
9	SPROCKET	79	PIG SET
11	BEARING	80	BOX SET
12	CYLINDER VALVE, SOLENOID	81	CONNECTOR/ATTACHHENT
13	RELAY	82	LINK/TAB
14	CONTACT	83 84	PIN
15	FUSE	8 5	ALARM STAGE
16	CIRCUIT BREAKER	86	STATION
17	WIRING	87	VIBRATOR
18	SWITCH	88	RAPPER
19	CAMERA	89	GRID
20	CONTROLLER	90	SAMPLE
21	PAN AND TILT	91	WHEEL
22 23	DAMPER	92	BAND
23 24	POSITIONER	93	STACK
25	AIR HANDLING UNIT 1 AIR HANDLING UNIT 2	94	SKI
26	AIR HANDLING UNIT 3	9 5	BATTERY
27	TIMER	96	REGULATOR
28	HOSE	97 98	BRIDGE IRIS
29	TRANSMITTER	99	DTHER
		• •	UTTER

DESCRIPTIVE ACTION

FAILURE HODES

1	NORTH	1	MISSING
2	SOUTH	2 3	NOT READY
3	EAST	3	WAITING
3 4	WEST		BURNED
5	NO1	5	LEAK
6	NO2	6	HADE
ž	NO3	7	NOT MADE
é	NO4	8	BENT
9	NOS	9	BROKEN
10	UPPER .	10	OUT OF ADJUSTMENT
īĭ	LOWER	11	FLAHEOUT
12	HYDRAULIC	12	OFF
13	PNEUMATIC	13	ON
14	TEMPERATURE	14	LOOSE
15	PRESSURE	15	aif in line
14	LEVEL	16	JAMMED
17	FLOW	17	STUCK
18	POSITION	18	FALSE SIGNAL/READ
17	FLAME	19	EMPTY
20	BRINE	20	OUT OF STOCK
21	STEAM	21	HUMAN ERROR
22	CONDENSATE	22	CAUSE UNKNOWN
23	NATURAL GAS	23	PEGGED
24	FUEL OIL	24	INSPECTION
25	LUBRICANT	25	OFF TRACK
26	AIR	26	REBURN
27	WATER	27	DROPPED PIG
28	BYPASS	28	CHANGE TEST
2 9	CONTROL	29	INCOMPLETE
30	SHUTOFF	30	HIGH
30		31	LOW
31	SUPPLY ISOLATION	32	WARPED
33		33	PLUGGED
	SOLENOID	34	FULL
34 35	RELIEF	35	FROZEN
	TRANSFER	36	DIRTY
36 37	AGENT		
3/ 38	PIG SET	99	OTHER
	BOX SET		
39	OVERSIZE		
99	OTHER		•

EFFECT ON OPERATION

CORRECTIVE ACTION

1	DISCONTINUED	1	INVESTIGATE
2	INTERRUPT/RESUMED	2	TRULUA
3	SLOWED	3	LUBRICATE
4	DELAYED START	. 4	REPAIR IN PLACE
5	NOT AFFECTED	5	RESET
6	CAUSED OVERTIME	<u> </u>	REHOVE/REPAIR/REPL
		7	INSTALL
		8	REHOVE/REPLACE
	•	9	RESTART
		10	START BACKUP/STDBY
	,	11	PROBLEM DISAPEARED
		12	ACTION DEFERRED
		13	CLEANED
		14	DEMMALHU
		98	NONE
		99	OTHER

DIRECTORY FOR PROGRAMS TO MERGE DATA FOR TRANSMISSION TO THE UNIVAC 1108

KEY PROGRAM

- 1 MIRAN 80 DATA (DATA SHEET 9)
- 2 INVENTORY DATA (DATA SHEETS 18-15)

ENTER KEY FROM THE ABOVE LIST:

FIGURE A-27

DO YOU WANT TO MERGE INVENTORY DATA? (ENTER Y OR N) Y
INSERT THE INPUT DATA TAPE INTO THE CONSOLE
ENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK: WED
INSERT OUTPUT TAPE INTO UNIT 4924
ENTER THE UNIT HUMBER YOU ARE USING FOR THE OUTPUT TAPE: 11

FIGURE A-28

DIRECTORY FOR TOTALS PROGRAMS TO UPDATE PIG AND DRUM TOTALS AND PRINT REPORTS

KEY PROGRAM

- 1 P1 UPDATE PROCESSED ID SET TOTALS AND PRINT A DAILY REPORT
- 2 P2 READ ID SET TOTALS TAPE (P1 OUTPUT) AND PRINT REPORTS FOR ANY PERIOD OF TIME
- 3 D1 UPDATE DRUM TOTALS AND PRINT A DAILY REPORT
- 4 D2 READ DRUM TOTALS TAPE (D1 OUTPUT) AND PRINT REPORTS FOR ANY PERIOD OF TIME
- 5 T1 UPDATE DOWNTIME TOTALS
- 6 T2 READ DOWNTIME TOTALS TAPE (T1 OUTPUT) AND PRINT REPORTS FOR ANY PERIOD OF TIME

ENTER KEY FROM THE ABOVE LIST:

DO YOU WANT TO UPDATE ID SET TOTALS? (ENTER Y OR H) Y

DO YOU HAVE DATA TO ENTER? (ENTER Y OR H) Y

INSERT THE INVENTORY DATA TAPE INTO THE CONSOLE

ENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK: WED

INSERT OUTPUT DATA TAPE (ID SET TOTALS) INTO UNIT 4924

ENTER THE UNIT HUMBER YOU ARE USING FOR THE OUTPUT TAPE: 11

DO YOU NEED TO INITIALIZE THIS TAPE? (ENTER Y OR H) H

FIGURE A-30

DO YOU WANT TO PRINT ID SET TOTALS? (ENTER Y OR N) Y
INSERT THE INPUT DATA TAPE (ID SET TOTALS) INTO UNIT 4924
ENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE 11
ENTER THE BEGINNING DATE OF THE REPORT PERIOD (DDMMYY): 818181

FIGURE A-31

DO YOU WANT TO UPDATE DRUM TOTALS? (ENTER Y OR N) Y
DO YOU HAVE DATA TO ENTER? (ENTER Y OR N) Y
INSERT THE INVENTORY DATA TAPE INTO THE CONSOLE
ENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK: WED

INSERT OUTPUT DATA TAPE (DRUM TOTALS) INTO UNIT 4924
ENTER THE UNIT NUMBER YOU ARE USING FOR THE OUTPUT TAPE: 11

INSERT THE INPUT DATA TAPE (DRUM TOTALS) INTO UNIT 4924
ENTER THE UNIT HUMBER YOU ARE USING FOR THE DATA TAPE 11
ENTER THE BEGINNING DATE OF THE REPORT PERIOD (DDMMYY): 010681
ENTER THE FIDING DATE OF THE REPORT PERIOD (DDMMYY): 918781

FIGURE A-33

DO YOU WANT TO UPDATE DOWNTIME TOTALS? (ENTER Y OR N) Y
INSERT THE DOWNTIME DATA TAPE INTO THE CONSOLE
ENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK: HED
INSERT OUTPUT DATA TAPE (DOWNTIME TOTALS) INTO UNIT 4924
ENTER THE UNIT NUMBER YOU ARE USING FOR THE OUTPUT TAPE: 11

FIGURE A-34

DO YOU HANT TO PRINT DOWNTIME REPORTS ? (ENTER Y OR N) Y
INSERT THE INPUT DATA TAPE (DOWNTIME TOTALS) INTO UNIT 4924
ENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE 11
ENTER THE BEGINNING DATE OF THE REPORT PERIOD (DDMMYY): 010182
ENTER THE ENDING DATE OF THE REPORT PERIOD (DDMMYY): 020282

FIGURE A-35

DIRECTORY FOR DOWNTIME REPORTS

KEY PROGRAM

- 1 ALL DOWNTIME LISTED BY SUBSYSTEM
- 2 CHARGEABLE DOWNTIME LISTED BY SUBSYSTEM
- 3 HON-CHARGEABLE DOWNTIME LISTED BY SUBSYSTEM
- 4 ALL DOWNTIME TOTALLED BY SUBSYSTEM
- 5 DOWNTIME LISTED BY PRIMARY COMPONENT

ENTER KEY FROM THE ABOVE LIST:

APPENDIX B

APPENDIX B

LISTING OF THE DATA ENTRY AND
DATA PRINT PROGRAMS

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TO SHOW THE LENGTH OF EACH DATA FIELD. FOR EXAMPLE.*
XXXXXX NFULLES THAT & OK FEWER CHARACTERS BE ENTERED.J
AFTER THE FIRST RECORD HAS BEEN ENTERED. INSTEAD OF.
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IF ALL THAT IS RUSSIAU ENTER: NJ.

IF ALL THAT IS NOT AFFLICABLE ENTER! NAJ.

IF YOU WAS ALL BENOW AND WISH TO BEGIN THE RECORD.

AGAIN FRESS USER BEFINABLE REY 4. (UPPER LEFT).*

RELNIER DATA FROM THE BEGINNING OF THE RECORD. J.

IF YOU WISH TO EXIT FROM A PROGRAM. FRESS USER.
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 DIRECTORY FOR DATA ENTRY PROGRAMS
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ANALYST AND LAB COURD WORK SHEETS (H, CK, CN, PB).
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KINT "JELACE TAPE CASSETTE IN UNIT 4924"
KINT "JENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
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INUCHTUKT BATA*
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H. E. HARTIN
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++++++ 600 FRINT "JENTER DATA SHEET NUMBER FROM THE ACCUL LIST "1

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720 KEM
730 KEM akakakakaka LABEL FILE 1 FOR DATA SHEE'16 1-9 aasakasasasasasasa
                                                                                                                                                                                                                                                                                                                                                                                                                                         840 KEN
850 KEN aperarakakak LABEL FILES 1-6 FOR DATA SHEETS 10-15 abbarababab
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670 If N-O AND NCIZ THEN 200

680 FKINT "JIHIS IS NOT A VALID DATA SHEET NUMBER"

670 GD 10 600

700 GU 10 N UF 240,240,240,240,240,240,240

710 GO 10 N-V UF 860,860,860,860,860,800,1010
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1020 FIND BU:1
1030 L::REF(M*:4:2)
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870 FOR I=1 TO 6
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FRINT "JUD YOU WANT TO ENTER DATAP (ENTER Y'OR N)
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PRINT "1S THIS UN? (ENTER Y OR N)
                                                                                                                                                                                               FRINT JEG YOU WANT TO TRY AGAIN?
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                                                                                                                                     F AS- Y* THEN 1180
                                                                                                                                                                                                                                                                                                               IF A&= Y* THEN 350
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FRINT BU:2:
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- ANALYST WORK SHEET FUR H. CK. CN. FB. 1 444
                                                                                                                                                                                                                  *JENIER THE UNIT NUMBER YOU ARE USING FOR THE DATA YAPE ..
                                                                                                                                                                                                                                 xxx.xx xxx.xx xxxx
                                                                                                                                               DIM B(23,5),C(23,2),E(23)
DIM F$(48),G$(78),J$(20),K$(40),N$(1),X$(350),W$(127),Z$(127)
                                                                                                                                                                                                                                          45 - LAB DATA COORDINATOR WORK SHEET
DATA ENTRY - LOFJ INPUT DATA TO TAPE
VERSION 10 - 3/5/82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LEHTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          JIHIS LAPE IS FOR DATA SHEET # . 1441 FOR " ICA
                                                                                                                                                                                                                                                                                                             FRINT *JYOU AKE USING THE WRONG DATA ENTRY PROGRAM!
                                                                                                                                                                                                                                                                                                                                                                                                                                                             "JINSERT THE DATA TAPE INTO UNIT 4924"
                                                              STEARNS-ROGER, INC.
M. E. HARTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "JIHIS IS THE WRONG DATA TAPE"
                                                                                                                                                                                                                                **** XXXXXXXXXXXXXXX XX ***
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                                                                    FY
 KEH 4** DATA SHEET 41
                                                                                                                                                                                                                                                                    ENTER Y OR H
                                                                                                                                                                                                                                                                                                F N4="Y" THEN 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF N#= f' THEN 690
                                                                                                                                                                                                                                                                                                                                        NEAU BACAEAFAAY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $=SEG(1$11,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             [AFU] BU/13:24
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620 INFUT GU,6:1

+++1++

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60 TO H(I)3) OF 1350-1410-1550-1670-1850-1920-2090-2190-2280-2330
IF LEN(U$)<>B(I)2) THEN 3000
Z$=KEF(U$-B(I,1)-B(I,2))
                                                                                                                             720 REM 法未未不非非非非非非 BEGIN DATA INFUT 非安全非常的经验的经验的经验的经验的经验的现在分词的现在分词
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1190 FRINT "ENTER THE CONTROL NUMBER (AMAINN)"
                                                                                                                                                        730 FAGE
740 FRINT "JREGIN DATA ENTRY FROM ANALYST NORK SHEET #1"
                                                                                                                                                                                                                                    FOR 1=11 TO 12
IF 1>11 OR 00=0 OR I<B THEN 830
Ut="No"
                                                                                                                                                                                                                                                                                                                                  -SEG(X**C(1+1)+C(1+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (110 AFFSEBAZNEINS)
(120 IF AFCNEAR THEN 1170
                                                                                                                                                                                                                                                                                                                                                                                                                       Z12E(1+2) THEN 3040
                                                                                                                                                                                                                                                                                                                                                             KINT 'ENTER 'ibis' 'i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             F USKY "NA" THEN 1010
                                                                                                                                                                                                                                                                                                                                                =SEG(24, B(1,1), B(I,
                                                                                                                                                                                                                                                                                                                                                                                                                                     0981 ABILL . . #40
                         IF TYP(0)=1 THEN 690
                                                                                                                                                                                                                                                                                                                                                                                         U$=.. THEN 1060
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                                                                                                                                                                                                                                                                                     60 TO 970
IF I<>23 THEN 850
                                                                                                                                                                                                                                                                                                                    N=0 THEN 1060
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                                                        50 TO 650
Z***KMA0110**1$
INFUT BU.13:24
                                          INPUT GU, 13124
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                            +++5+++
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630 IF 1-1 THEN 690

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1560 RFM 4######### CHECK NO. 4 - LINE UP DECIMAL POINTS ##########
                                                                                                                                                                                                                      340 KEM XXXXXXXXXXX CHECK NO. 1 - LEFT ZERO FILL AFFEFFFFFFFFFFFFFFFFF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRINT BAST HUST BE IN THE RANGE OF "FB(1,4); TO "FB(1,5)
PRINT "INEENTER "; BAST" "; CA
                                 1240 A1=SEG(74,8+2)
250 Z>=KEP(A4,10+2)
260 FKINT "JIS THIS KENNALYSIS DATAT (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF UNL (UF) CR(1,4) DR UAL (U4)>B(1,5) THEN 1510
KINT 'YOU SHOULD BE ENTIRING DATA FOR " ! AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1540 REH ARABARARA CHECK NO. 3 - NOT USED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FRINT THIS ENTRY MUST BE NUMERIC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF ELDAP AND E1458 THEN 1480
                                                                                                                                                                                                                                                                                                                                                                                         410 IF Z1<>F(I+2) THEN 3000
                                                                                                                                                                                                                                                       1350 IF Z1=B(I+2) THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1610 IF ZISE(1,2) THEN 1800
1620 J-PDS(U4,*,*,1)
1630 IF J-0 THEN 1820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1720 1F ZIER(I+2) 1HEN 1050
                                                                                                                                  Z4=KEP(*30*,6,2)
Z4=KEP(*XXXXXX*,12,6)
                                                                                                                                                                                                                                                                        360 FOR N=Z1+1 TO B(1,2)
                                                                                                    1F NS ... THEN 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF JI-KI THEN 1720
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                                                                                                                   1290 H=1
1300 Z‡=KEP(*30
1310 Z‡=KEP(*XX)
1320 GO TO 720
                                                                                                                                                                                                                                                                                        U4= .0 . 40;
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                                                                                    INFUT N$
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1840 KFM ********* CHFCK ND. 5 - CHECK FOR < AND > ####################
                                                                                                                                                                                                                                                                                                                                                                   1910 REH 4********* CHECK NO. 6 - CONTROL NUMBER FORMAT $#########
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JF K>4 AND E1>47 AND E1<58 THEN 2030
FRINT *CHARACTER NUMBER **K;* MUST BE ALPHABETIC
                                                                                      ONLY . IKIF DECIMAL FIGURES ARE ALLOWED.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CHARACTER NUMBER . IK; MUST HE NUMERIC.
                                                                                                                                                                                                                                                                                                               *NO < OR > IS ALLOWED WITH THIS VALUE.
                                                                                                                        THIS NUMBER HAS TOO MANY FIGURES.
                                                                                                                                                          THIS NUMBER HAS NO DECIMAL POINT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2160 FRIHT 041" IS NOT A VALID SET TYPE"
2170 GO TO 1520
                                                                                                                                                                                                                                                                                <. OR G$#*>* THEN 1890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      E1465 OR E1>90 THEN 2000
                                                                                                                                                                                                                                                                                                                                                                                                       IF 21(>8(1:2) THEN 3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF Z1<>b(1,2) THEN 3000
IF Z1>B(1,2) THEN 1800
                                                                                                                                                                                                                                               Z1>B(1,2) THEN 3040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E4#SEG(U4+1,+3)
IF E4 > *CAL* THEN 1050
                  1740 FOR K=Z1+1 TO B(I,2)
1750 U#=REF(* *,2,0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF Ut=S4 THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            K<5 THEN 2030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            55=SEG(F4,K4,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                         $=SEG(U$,K,1)
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                                                                       GO TO 1050
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2220 IF V**
2230 N2:K24
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2310 REM ********** CHECK ND. 10 - ACCEPTABLE CHEMICAL AGENTS $*****
                                                                                                                                                                                                                                                                                                                                                                          2400 REM 4784848484 WRITE KECORD TO TAPE AND CHECK FUR CONMENTS 4844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2270 KEN 4444444444 CHECK NO. 9 - PURPOSE 44444444444444444444444444
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FRINT @U.12:24
FRINT "JIS THERE AN ANALYST'S COMHENT? (ENTER Y OR N)
                                                                                         2260 JF V$#*FL* DR V$#*QP* DR V$#*QI.* OR V$#*CA* THEN 1050
2250 FRINT V$!* IS NOT A VALXD PURFOSE CODE.
2300 GO TO 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           THE THE THEM COMMENT (72 CHARACTERS OR LESS)
                                                                                                                                                                                                                                                             2350 GO TO 1050
2360 IF U$#*CK* GK U$**CN* OK U$#*PS* THEN 1050*
2370 FRINT D$!* HUST BE H* CK* CN OK PS*
2250 FRINT U41" IS NOT A VALID LOCATION"
2260 GO TO 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .JTHIS COMMENT IS TOO LONG.
                                                                                                                                                                                                                       2330 IF U$<>*H* AND U$<>*T* THEN 2360
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2520 A*=5FG(J*:N;2)
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322,15
                 PRINT 'JIS THERE A LAB. DATA COORD, CORNENT? (ENTER Y OR N)
                                                                                                                                                                                                            N WILL END FROGRAMS
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PATA 140,8,147,14,163,22,186,13,200,8
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INTA 97,6,5,0,0,103,9,4,0,0,12,6,0,0,0
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*JIHE LAST ENTRY WAS DISREGARDED.
                                                                                                                                                                                                                                                                          J*** ANDRHAL PROGRAM END ****
                                                                                                                                                                                                          CENTER Y OR NI
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                                                                               It= LAB. BATA COURD.
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IF NATO THEN 2840
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	· 特殊条件		建筑有景景	•	会	17 •	****
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180 FRIHT "JIS THIS ANALYST WORK SHEET DATA FOR AST (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JENTER THE UMIT NUMBER YOU AKE USING FOR THE DATA TAPE
                                                                                                                                                                                                      FIN F4(22-5)-E(22-2)-E(22)
FIN F4(68)-64(28)-J4(20)-K4(38)-N4(1)-X4(350)-N4(127)-Z4(127)
                                                     #2 - MNALYST WORK SHEET FOR AB
#4 - LAB DATA COORDINATOR WORK BHEET
DATA ENTRY - LOAD INFUT DATA TO TAPE
VERSION Y - 10/29/81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "JIS THIS DATA FUR A NEW WEEK? (ENTER Y OR N)
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                                                                                                                                                                                                                                                                                                                                                                                            FRIMI "JIGU AKE USING THE URCHG DATA ENTRY PROGRAM"
GU 10 1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "JINSERT THE DATA TAPE INTO UNIT 4924"
                                                                                                                       STEAKNS-KOGER, INC.
M. E. MAKTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "JIHIS IS THE WRING DATA TAPE"
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                                                                                                                       11.4
                                                      100 KEH #### DATA SHEET
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50 TO B(1.3) OF 1350-1410-1550-1550-1830-1900-2070-2170-2240
IF LEW(V1)(>B(1.2) THEN 2500
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                                                                                                                                                                                          740 FKINT "JEEGIN DATA ENTRY FROM AMALYST MORK SHEET 42"
                                                                                                                                                                                                                                                                90 FOK 1=11 TU 12
00 1f 1>10 OK 00=0 OK 1<7 THEN 630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Zanker (Unib(I) 1) rB(I)2))
                                                                                                                                                                                                                                                                                                                                                   [i4=SEG(X4,C(1,1),C(1,2))
                                                                                                                                                                                                                                                                                                                                                                 C4~SEG(24,6(1,1),B(1,2))
                                                                                                                                                                                                                                                                                                                                                                              THINI TENIER "LIST" "LC
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                                                  IF TTP(0)=1 THEN 490
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UseU42* *
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                                                                                                                                                                                                                                                                                                                    10.22 THEN 650
                                                                                                                                                                                                                                                                                                                                    IF H-0 THEN 1040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 73 FFF (63, 10, 2)
14- KEP (14, 90, 38)
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620 INFUT PUS 6:1
630 IF T-1 THEN 650
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610 IF U=33 THEN 660

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1540 KFH ssstattste CHECK NO. 4 - LINE UP DECIMAL POINTS ###########
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                                                                                                                         HAINT "JIS THIS REANALYSIS DATA? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          201. (U+) (B(1+4) OR VAL(U+)>B(1+5) THEN 1510
                                     1210 IF BE-AF THEN 1240
1220 FRINT "YOU SHOULD BE ENTERING DATA FOR "1A$
1190 FRINT 'ENTER THE CONTROL NUMBER (AAANNN)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E1-ASC(L)
IF E1-47 AND E1<58 THEN 1480
FRINT "THIS ENTRY HUST BE NUMERIC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1550 04-SEG1U4-1-1)
1560 1F G4-1-4" OK U4-">" THEN 1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1410 IF ZI (>B(I+2) THEN 2900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF Z1=B(1-2) THEN 1050
IF Z1-B(1-2) THEN 1780
                                                                                                                                                                                                                                                                                                                        1350 IF 21=8(1,2) THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IF Z158(1,2) THEN 1780
                                                                                                                                                                                          1300 24=KEF('30',6,2)
1310 24-KEP('KKXXXX',12,6)
1320 60 10 770
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                                                                                                                                                          IF N& ... Y THEN 270
                                   IF ENCAS THEN 1240
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IF J-0 THEN 1600
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                                                                                         A>=5EL(2$,8,2)
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1820 KEM MARKKESSES CHECK NO. 5 - CHECK FOR < AND > seassessessesses
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FRINT "CHARACTER NUMBER "IKJ" MUST BE ALPHABETIC"
                                                                                                                                                                                                                                                                                                                                                                                                                                      IF ELASS OR E1>90 THEN 1980
IF NAS THEN 2010
FRINT CHARACTER NUMBER * INST BE NUMERIC*
                                              1760 FKIN, "GKLY "FKIF" DECINAL FIGURES ARE ALLOWED"
                                                                                                                                                                                                                                                                              1870 FRINT 'NO < DR > 3 ALLOWED WITH THIS VALUE.
                                                                                  THIS NUMBER HAS TOO MANY FIGURES.
                                                                                                                   BOO FRINT "THIS MUNBER HAS NO DECINAL POINT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             230 FEINT US: IS NOT A UALTE LUCATION.
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                                                                                                                                                                                                                                                                                                                                                                  1900 IF ZIC>B(I,2) THEN 2900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF Z1<>b(1,2) THEN 2900
                                                                                                                                                                                                         1630 IF Z1>B(1,2) THEN 2940
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IF U$45% THEN 1050
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2290 REM
2300 KEM +******** WRITE RFCORD TO TAPE AND CHECK FOR COMMENTS *****
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2730 KEM kerelerere CHECK END OF DATA bereterbebarberebebarbere
2250 REM statestatetat CHECK NO. 9 - PURPOSE sestatetatetatetatetatetate
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2670 INFUT N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EINT "JIS THERE ANOTHER " 1141" COMMENT? (ENTER Y OR N)
                                                                                                                                                                                     (ENTER Y OR N)
                          2260 IF V$=*FL* GR V$=*QF* OR V$=*OL* GR V$=*CA* THEN 1050 2270 FRINT V$!* IS NOT A VALID PURPOSE CODE*
2280 60 TO 1520
                                                                                                                                                                                                                                                                                                                                                      W*KEP(64,34,78)
FRINI "JENTEK COMMENT (72 CHARACTERS OR LESS)"
                                                                                                                                                                                FRINT 'JIS THERE AN ANALYST'S CONMENTY
                                                                                                                                                                                                                                                                                                                                                                                                          11 -JTHIS COMMENT IS TOO LONG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          I Later DATA COORD.*
                                                                                                                                         1F 21<>127 THEN 2860
                                                                                                                                                                                                          IF NS-D-Y* THEN 2660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F 7145127 THEN 2860
KINT 8411W$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1F N452-Y* THEN 2740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF N4m'Y' THEN 2420
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    *=KEP(C*:34:21)
                                                                                                                                                                   FRINT GUALLETA
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A = SEG(J & + N + 2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KINT PU.12:W
                                                                                                                                                                                                                                                                                                                                          WOEREP(ANDS)
                                                                                                                                                      FINT 041:74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   =LEN(N)
                                                                                                                                                                                                                                                                                                                                                                                                -LEN(C4)
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                                                                                                                           ZIELEN(ZV)
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                           +++1+++
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6.2) • Datat (enter y or n) — Will end Procram) • 1 • Hen 730	F ABNORHAL PROGRAM END ####• IAL FROGRAM END•		1444年 DIAGNOSTIC MESSAGES 电单电容器电容器电容器电容器电容器电容器电容器电容器	K IN LENGTH OF 24. Last entry was dispegarded. Reenter entire record.		STRING HUST BE COMPLETELY FILLED - EXACTLY * 18(1,2))		ANNUT BE LONGER THAN "IB(1,2);" CHARACTERS"	李宗宗宗 5 5157 (2.5.5.) 建筑河南南南南南南南南南南南南南南南南南南南南南南南南南南南南南南南南南南南南	8,2,1,0,0,12,6,0,0,0,20,1,2,1,5	21,5,6,0,0,27,7,5,0,0,48,7,4,0,0,55,7,4,0,0 62,7,4,0,0,64,7,5,0,0,76,7,4,0,0,83,4,2,0,2400,87,3,0,0,0 10,2,1,0,0,112,4,7,0,0,116,2,8,0,0,118,2,9,0,0	120,4,2,0,2400,124,4,2,0,2400,90,7,5,0,0	**** C ARKAY (22-2) 本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本	1,11,113,38,57,13,71,14,86,22,108,11,120,19 146,8,149,i4,163,22,186,13,206,8 211,11,252,8,231,8,240,7,248,10,259,9,268,7,276,21,298,24 322,15	*本本本 E ARRAY (22) 建苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯苯	0.0.0.0.3.3.2.1.1.2.0.0.0.0.0.0.0.0.0.1.3.4.0	。	*K941K942K945K951K953K953K954K955* *X302K545K546K547K548K549K550K551K552*	**** J* AKKAY (20) AND K\$ ARRAY (3B) **********
Z##REP(*10:,642) PKINT *JHOKE DATAP INFUT H* IF H*S>*N* THEN 730 ED 10 2020	2830 2830 3NDRMA	Frint BU,2; End	KEA setterates D		KEN	FRINT THE STRING HI FRINT CHARACTERS. GO TO 1520	KEM	FRINT D&#* CANNUT 1 60 TO 1520</th><th>医医内 化苯基苯基苯基苯基苯基 亞</th><th></th><th></th><th>DATA 120,4,2,0,240(</th><th>REM ########## C</th><th>EATA 1411413338457 EATA 146,841494144 EATA 21141142224845 EATA 322415</th><th>REM *********</th><th>ENTA 0.0.0.0.3.3.2.</th><th>REM REM kaskkasadada Fi</th><th>FATA *N941K942K945K DATA *X302X545X546X</th><th>REM 各种化学等等的条件系统 13</th></tr><tr><th>2750 2760 2770 2780</th><th>2800 2810 2820</th><th>2630 2640</th><th>2850</th><th>2860 2870 2880</th><th>2890</th><th>2900 2910 2920</th><th>2930</th><th>2940 2950</th><th>2950 2970</th><th>2900</th><th>2440 3000 3010</th><th>3030</th><th>3040</th><th>3050 3070 3050 3050</th><th>3110</th><th>31.20</th><th>3130</th><th>3150 3160</th><th>3170</th></tr><tr><th></th><th>+++3+++</th><th>+++1++</th><th></th><th>+++2+++</th><th></th><th>++++++</th><th></th><th>+++5+++</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr></tbody></table>											

3190 DATA *20212223242526272829*

3200 DATA *DKSTERRADEDCCVHOHREXENABEAESSSUSELADT*

KEH 3210

SERIAL NUMBER/CONTROL NUMBER/CALIBRATION STD. CONC.

FEAN HEIGHT/AGENT CONCENTRATION/DILUTION/BUBBLER VOLUME

CONCENTRATION/SAMPLE)/ANALYSIS TIME/INITIALS**FAGE NUMBER*

**SET 1YPE/LOCATION/FURFOSE/START TIME/STOP TIME*

**AIRFLOW/CONTROL CONCENTRATION/AIR SAMPLE CONCENTRATION*

***FEANALYSIS DATE* 3220 REM 非常常本来是常常来来非常的 X4 AKKAY (USO) 非法共同非常的非常非常的非常的非常的非常的的 *PAGE NUMBER/DATE OF THE SAMPLE COLLECTION (DDMHYY) LINTA DATA DATA DAIA EATA UATA 3270 3280 3290

KEH

ENTA

KEH 在在上述工作的证券 END OF FROGRAM 非常有效在现在非常是非常非常的非常非常的非常的的 3300

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260 I*=*XX XXXXXLBXXXXXNN XX.XXXNA NA XXX.XX XXX.XX XXXX.
270 L*=* XXXX.X X.XXX XXXXXXXXXXXXXXXXXX
280 Ffint "Jis This Analyst work sheet data for GBT (enter Y DR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRINT "JENSERT THE DATA TAPE INTO UNIT 4924"
FIGINT "JENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
INFUT U
                                                                                                                                                              DIM B(22,5), C(22,2), E(22)
DIM F4(72), G4(78), J4(20), K4(38), N4(1), X4(350), N4(127), Z4(127)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FRINT "JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK
              #7 - LAB BATA COORDINATOR WORK SHEET
DATA ENTRY - LOAD INPUT BATA TO TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       540 FWINI "JIHIS TAPE IS FOR DATA SHEET #" HAS!" FOR "ICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     580 FRINT "JIS THIS DATA FOR A NEW WEEK? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                    320 FRIM! "JYOU ARE USING THE WRONG DATA ENTRY PROGRAM!
                                                                       STEARNS-ROGER, INC.
M. E. MARTIN
                                          VERSION 9 - 10/29/81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            550 PEINT "JIHIS IS THE WRONG DATA TAPE"
                                                                        BY
REM *** DATA SHEET
                                                                                                                                                                                                                                                                                                                                                    IF N&= Y THEN 340
                                                                                                                                                                                                                                                                                                                                                                                                 340 KEND BICIE,FSIYS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15=SEG(T4,11,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INF'UT @U, 13:2$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 64: SEB(24: 4/2)
EE-SEB(24:8/3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               530 C$=SEC(2*,8,9)
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+++1++
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GG TG B(1,3) OF 1356,1410,1550,1550,1830,1900,2070,2170,2260 IF LEN(U$)<
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FRINT "LUEGIN DATA ENTRY FROM LAB COORDINATOR WORK SHEET $7
                                                                                                                                                                              FRINT "JEEGIN DATA ENTRY FROM ANALYST WORK SHEET 43"
                                                                                                                                                                                                                                               74 INT 1 TO 12
F I>10 OR 00=0 OR IC7 THEN 830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2$=REP(U$, B(I,1), B(I,2))
                                                                                                                                                                                                                                                                                                                            *=SEG(X*,C(1,1),C(1,2))
                                                                                                                                                                                                                                                                                                                                                      KINI "ENTER "JEST" "ICS
                                                                                                                                                                                                                                                                                                                                         $=5E6(Z4,B(I,1),B(I,2)
                                                                                                                                                                                                                                                                                                                                                                                                       F Z128(1,2) THEN 2940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    F ASCYCAL* THEN 1170
                                                                                                                                                                                                                                                                                                                                                                                                                                                           60 10 1050
IF V&<>*NA* THEN 1010
                                                IF TYP(0)=1 THEN 690
                                                                                                                                                                                                                                                                                                                                                                                                                       F U$= * THEN 1350
                                                                                                                                                                                                                                                                                                                                                                                                                                F U1<>+H+ THEN 960
                                                                                                                                                                                                                                                                                                                                                                              F U. THEN 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        F 1425 THEN 1030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "CR K1=3 TO B(1,2)
                                                                                                                                                                                                                                                                                     5D 10 970
IF I<>22 THEN 850
                                                                                                                                                                                                                                                                                                                M=0 THEN 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        $-EFF(1.$,90,38)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4: SEG (24:23:3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                140 Z4:FEF(A1:10:2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A**SEG(2*,21,6)
             F Tel THEN 690
                                                                                        Z$="RM60310"81$
Z$=Z$EH$
                         INFUT @U,1312$
60 TU 620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (7.8'$Z)935*¢
                                                              INPUT @U,13:24
60 TO 660
INPUT BUSSIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60 TO 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 • • $ * A = * A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        60 10 2310
                                                                                                                                                                                                                                                                                                                                                                                            1=LEN(U$)
                                                                                                                                                                                                                                                                           WN. E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NEXT KI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1=00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1=13
                                                                                                                                                                                                          2=12
                                                                                                                                                                   FAGE
                                                                                                                                                                                                                      0=17
                                                                                                                                                                                              77
                                                                                                   200
                                                                                                                                                                   730
                         940
                                                   660
                                                                                                                                                                                7.10
                                                                                                                                                                                             750
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                                                                                                                                                                  +++2+++
+++1+++
                                                                                        +++2++
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IF U=33 THEN 660

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1540 REM ########### CHECK NO. 4 - LINE UP DECIMAL POINTS ############
                                                                                                                                                                                                                                                                                                                                                                                               1460 RFH 水水水水水水水水水水 CHECK NO。2 -LIMITS 非非常的非非非非非非非非非非非非非非非非非非非非的
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FRINT DS: HUST BE IN THE RANGE OF ":B(I,4); TO ":B(I,5)
                                                                                                                FRINT 'JIS THIS REANALYSIS BATAT (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     UAL (US) (E(1)4) OR UAL (US)>B(1,5) THEN 1510
                    IF 61441 THEN 1240
FRINT "YOU SHOU"F BE ENTERING DATA FOR "FAS
GO TO 1190
FRINI "ENTER THE CONTROL NUMBER (AAANNN)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF E1547 AND E1458 THEN 1480
FRINT THIS ENTRY MUST BE NUMERIC•
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04=SEL(V4,1,1)
IF 04="<" OR 04=">" THEN 1600
V4=" *2V4
                                                                                                                                                                                                                                                                                                                                                                                                                               IF Z1<>B(1,2) THEN 2900
                                                                                                                                                                                                                                                                                                1350 IF Z1=B(1,2) THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     590 IF Z1>6(I+2) THEN 1780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (700 IF ZI=B(I,2) THEN 1050 (710 IF ZI>B(I,2) THEN 1780
                                                                                                                                                                                  1300 Z##KEP(*30*,6,2)
1310 Z##KEP(*XXXXXX*,12,6)
                                                                                                                                                                                                                                                                                                                   360 FOR K-2141 TO B(1,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       720 FOR N=Z1+1 TO B(1,2)
                                                                                                                                                  IF N4C>*Y* THEN 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JINI THEN 1760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       J 11=K1 1HEN 1700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      J=F05(V*,*,*,1)
If J=0 THEN 1800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FOR K=JIHI TO KI
                                                                                                     24=KEF (A4,10,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              *=SEG(V*+K,1)
                                                                                   A4=SEG(Z$,6,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                  OR K=1 10 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60 10 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E1=ASC(E4)
                                                                                                                                                                                                                                                                                                                                     $01.0. FA
                                                                                                                                                                                                                                                                                                                                                                  1390 60 TO 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZI=LEN(U*)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    71=71+1
                                                                                                                                                                                                                                                                                                                                                   380 NEXT K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FRINI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUG NEXT K
                                                                                                                   250
                                                                                                                                                                                 300
                                                                                                                                                  280
                                                                                                                                                                                                                                                                                                                                                                                                                                  1410
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D - CHECK FOR A AND V 44444444444444444444
                                                                                                                                                                                                                                                                                                                                                                         1890 REM 4444444444 CHECK NO. 6 - CONTROL NUMBER FORMAT 4444444444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21.50 FEET 水水水水水水水水水水 CHECK NO. B - LOCATION 非非由非非非非非非非非非非非非非非非非非非非非
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           - CHECK SET TYPE ************
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         F NOA AND E1047 AND E1058 THEN 2010
KINT "CHARACTER NUBBER "#K"" MUST BE ALPHABETIC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KKS THEN 2010
INT "CHARACTER NUMBER "FKF" MUST BE NUMERIC"
                                                          *ONLY * FK1; * DECIMAL FIGURES ARE ALLOWED
                                                                                                                                                                                                                                                                                               1850 GO TO 1870
1870 FRINT 'ND < OR > IS ALLOWED WITH THIS VALUE'
                                                                                             THIS NUMBER HAS TOO MANY FIGURES.
                                                                                                                                      *THIS NUMBER HAS NO DECIMAL FOINT*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2140 FRINT US; IS NOT A VALID SET TYPE.
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                                                                                                                                                                                                                                                        04=SEG(V$+1+1)
IF Q$=*<* OR Q$=*>* THEN 1870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2050 REM ******** CHECK NO. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            F E1<65 OR E1>90 THEN 1980
                                                                                                                                                                                              1520 REH ######### CHECK ND.
                                                                                                                                                                                                                                                                                                                                                                                                                   IF 21<>B(1,2) THEN 2900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2070 IF Z1<>E(1,2) THEN 2900
                                                                                                                                                                                                                                     21>B(1+2) THEN 2940
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K2=K2+2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F U$=S$ THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59=5EB(N1,K2,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S*=SEG(F$,K4,4)
U#=KEP(* .,2,0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          E4=5EB(V$,K,1)
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                                                                                                         KEH ********* WRITE RECORD TO TAPE AND CHECK FOR COMMENTS $$###
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27:30 REM ARRETERARE CHECK END OF DATA RESERVANCERENDER BREEFFER
2250 REM AVINITATATA CHECK NO. 9 - PURPOSE BRESSAGAGAGAGAGAGAGAGAGAGA
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                                                                                                                                                                                                     FRINT "JIS THERE AN ANALYST'S COMMENT? (ENTER Y OR N)
                              IF V==*PL* OR V$=*QP* UK V$=*O; OR V$=*CA* THEN 1050 PRINT V$;* IS NOT A VALID PURFOSE CORE* 60 10 1520
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5.E.H. 乔木米米米米米米米 IIIAGNUSTIC MESSAGES 安全基本基础保存基础基础存储存储存储存储存储存储存储 3050 FEH 水水水水水水水水水 G ARRAY (22,2)。 水水水水水水水水水水水水水水水水水水水水水水水水水水水 环己内 法法法法法法法法法法 B ARGAY(22.5) 英语被导致法法法法法法法法法法法法法法法法法法法法法法法法法法法法 3.1.4.0 15.1.1 计单子字子字子字子 F A AKRAY (7.2.) 非常存储存储存储存储存储存储存储存储存储存储存储存储存储存储存储 REM 非常的非未非非非非非非 山本 ARKAY (20) AND K4 ARKAY (3B) 非常建物等非非常非非非非非非 3110 所EH 未未未有未未未未未未未 E ARGAY (22) 计非自动设计非非常非常的证据的证据的证据的的的, 2900 FRINT "THE STRING HUST BE COMPLETELY FILLED - EXACTLY "IB(1,2)) REENTER ENTIRE RECORD. 21,6,6,0,0,27,7,5,0,0,48,7,4,0,0,55,7,4,0,0 62,7,4,0,0,6,69,7,5,0,0,76,7,4,0,0,83,4,2,0,2400,87,3,0,0,0 FAIN 140,8,149,14,163,22,186,13,200,8 FAIN 211,11,722,8,231,8,240,7,248,10,259,9,268,7,276,21,298,24 : N WILL END PROGRAM) 2940 FRINT B&1 CANNOT BE LONGER THAN *1B(I,2)1" CHARACTERS* 2950 GG TO 1520 10,2,1,0,0,112,4,7,0,0,116,2,8,0,0,118,2,9,0,0 3120 FATA 0,0,0,0,0,3,2,2,1,1,2,0,0,0,0,0,0,0,0,0,1,3,4,0 ENTR 1,11,13,38,57,13,71,14,86,22,108,11,120,19 *X302X545X546X547X548X549X550X551X552DATS* EATA 120,4,2,0,2400,124,4,2,0,2400,90,7,5,0,0 *ERROR IN LENGTH OF Z**
*JTHE LAST ENTRY WAS DISREGARDED. *N941N942N945K951K952N953K954K955* *L**** AENORMAI, PROGRAM END ####* FINTA 97,5,5,0,0,103-9-4.0,0,12,6,0,0,0 (ENTER Y OR N .JNORHAL PROGRAM END. FRINI "JHOKE DATA? · CHARACTERS. IF NACY IN THEN 230 Z\$=KEF("10",6,2) FINTA 322,15 FRINT CUIZE 60 10 2830 60 TO 2820 60 70 1520 FRINT - JTH 60 TO 740 FRINT FRINT INFUL FRINT FKINI 3150 FATA ESTA Side tain DATA ENTA RUN I I -REM REA RER 3170 KCH 2950 2930 3160 2750 2930 2660 2680 2890 2510 3010 3020 3030 3130 2760 2050 2670 2920 0842 3040 3100 2800 2610 2820 2840 0662 3000 3050 3060 3090 2780 2790 ++++++ +++5+++ +++!!++ +++1++ +++1+++ +++3+++

3190 DATA *20212203242526272839* 3200 DATA *DKSTCKRADEDCCVHUHREXENAAREAESSSUSELADY*

3210 REM AFFRESESESESES XS ARRAY (350) RASABRAGABRAGERRESESESESESESES SELE EATA 3230

*PAGE NUMBER/LATE OF THE SAMPLE COLLECTION (DDMMYY)

SERIAL HUMBER/CONTROL NUMBER/CALIBRATION STD. CONC.

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*CONCENTRATION(/SAMPLE)/ANALYSIS TIME/INITIALS***PAGE NUMBER*

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FIN F4(69,60,6)(78),J*(20).K*(38).N*(1),X*(350).U*(127).Z*(127)
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                                                      44 - ANALYST WORK SHEET FOR L
48 - LAB DATA COORDINATOR WORK SHEET
DATA ENTRY - LOAD INPUT DATA TO TAPE
VCKSION 9 - 10/29/81
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420 GELETE 74
430 FAINT "JINSERT THE DATA TAPE INTO UNIT 4924"
                                                                                                                                 STEARNS-ROGER, INC.
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                                                                                                                                                                                 730 FAGE
740 FRINT "JEEGIN DATA ENTRY FROM ANALYST WORK SHEET 84"
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606 1F I > 10 0R 00+0 OR I<7 THEN 830
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1340 KEM szwezzessez CHECK NO. 1 - LEFT ZERO FILL szeszessezessessesses
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                                                                                                                                                                                                                                                                                                                                                                              STO FRINT DAT! MUST BE IN THE RANGE OF "IB(1,4)1" TO "IB(1,5)
                                                                                                            PARAT "LIS THIS REAMALYSIS DATA! (ENTER Y OR M)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IF OAL (U4) (B(I+4) OR UAL (U4)>B(I+5) THEN 1510
                                                 FRINT YOU SHOULD BE ENTERING DATA FOR . 1A4 GO TO 1190
1190 FRINT "ENTER THE CUMTROL NUMBER (AAANNN)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FRINE THIS ENTRY MUST BE NUMERIC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       F F1/47 AND E1 58 THEN 1480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 04=5EG(Vb,1+1)
IF 04="<" OR 06=">" THEN 1600
Vb=" *LV6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S20 FRIMI "JNEENTER ": D.S. ": CS.
                                                                                                                                                                                                                                                                                                                                                                                                        1410 IF Z1<>B(I)2) THEN 2900
1420 FOR K*1 TO Z1
1430 Eff=SEG(U+*K,1)
                                                                                                                                                                                                                                                                                 1350 IF Z1ab(1,2) THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF Z1-6(1-2) THEN 1050
IF Z1-6(1-2) THEN 1780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1550 JF Z128(I.2) THEN 1780
                                                                                                                                                                      Z4=KEF(*30*,6#2)
Z4=KEF(*XXXXXX*,12#6)
                                                                                                                                                                                                                                                                                                     FOR A=21+1 TO B(1+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1720 FOR REZIET TO B(1,2)
                                                                                                                                            IF NAC.YY THEN 770
                                 F BS=AS THEN 1246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1610 1F JI-FT THEN 1700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IF JL. N. THEN 1760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1610 IF J=0 THEN 1900
                                                                                             Z1=KEF(A4,10,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  J=F0S(V., .., 1)
                                                                              1240 A$=SEG(Z$+8+2)
                                                                                                                                                                                                                                                                                                                                                   CO TO 1050
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                   INFUT BE
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1690 REM REGRESSESSES CHECK NO. 6 - CONTROL NUMBER FORMAT BERESSESSESSES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF N.4 AND ELLAZ AND ELKSB THEN 2010
FRINT "CHARACTER NUMBER "IK)" MUST BE ALPHABETIC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FRINT . CHARACTER NUMBER . IK! . MUST BE NUMERIC.
                  "OMLY "INII" DECIMAL FIGURES ARE ALLOWED"
                                                                                                                                                                                                                                                                1870 FRINT "NO < OR > IS ALLOWED WITH THIS VALUE"
                                                    THIS NUMBER HAS TOO MANY FIGURES.
                                                                                          SOU FRINT "THIS NUMBER HAS NO DECIMAL POINT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STAD FRINT UNF IS NOT A UALID SET TYPE?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2233 FELMI V$F* IS NOT A VALID LOCATION*
2240 60 TO 1520
                                                                                                                                                                                                          1840 0$=$EG(Varist)
1850 IF 0a=*<* 0K 0a=*>* THEN 1870
1860 60 TO 1570
                                                                                                                                                                                                                                                                                                                                                                                                                                              IF E1-65 OR E1290 THEN 1980 IF N.S THEN 2010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2070 IF Z1(>B(I)2) THEN 2900
                                                                                                                                                                                                                                                                                                                                                                  IF 21 (56(1,2) THEN 2900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20.20 E1±SEG(V6+1+3)
2930 1F E44.*CAL* *HEN 1050
                                                                                                                                                                                      1830 IF Z1>B(I.2) THEN 2940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IF 174-5 THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1F U4-St THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S*=SEG(F*,KA,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5+=5E6(K*+N2+2)
                                                                                                                                                                                                                                                                                                                                                                                   FOR K#1 TO 6
E#=SEG(V*,K*1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2559 FOR N=1 TO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2180 FOR NET TO 19
                                                                                                                                                                                                                                                                                                                                                                                                                           E1=ASC(E*)
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GO TO 1050
                                     60 10 1520
                                                                          750 60 10 1520
                                                                                                              810 60 10 1520
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                                                      780 FRINI
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                                                                                                                                                                       2300 KEH 111111 111 WRITE RECORD TO TAPE AND CHECK FOR COMMENTS 1111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-10 KEM 计不平分单件表示非常非常的 MOSE COMMENTS 非非非常的经验的经验的经验的经验的经验的经验的经验的
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2670 INFUE H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RINT "LIS THERE ANOTHER "1141" CONHENT? (ENTER Y OR N) INFUT R4
                                                                                                                                                                                                                                                                                                                1350 FRINT "JIS THERE AN ANALYST'S COMMENT? (ENTER Y OR N)
                                               2220 FRINT U& ** FL" OR U& ** GR. OR U& ** GR. THEN 1050 2270 FRINT U& ** IS NOT A UALID PURPOSE CODE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2450 UF-KEP(G:34,78)
2460 FEINT "JENTER CONNENT (72 CHARACTERS OR LESS)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF ZIGEZE THEN 2520
FRINT *11HIS CONHENT IS TOO LONG*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2200 IN-LAR. BAIA COORD.*
2710-00-10-2420
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                                                                                                                                                                                                                                        1F Z1<>127 THEN 2840
                                                                                                                                                                                                                                                                                                                                             2350 INFUT NA
2270 IF NANO*Y* THEN 2660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   147127 THEN 2060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2620 IF N4="Y" THEN 2420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N=19 THSN 2740
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                                                                                                                                                                                                                                                                   2330 FRINT 841124
2340 FRINT 80:12:24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2420 A$#SEG(J$+N+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6-KEP (A$, 6,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FINI BUSIDEMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2410 I += UNALYST'S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               I=LEN(M+)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60 TO 2450
                                                                                                                                                                                                                     2310 ZI=LEN(Z#)
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++35++ 2740 M-0

;::. ٠: KEN ANNATARBERTER DINGNOSTIC MESSAGES ARRESTERRESERVERSERVERSER 3.3.2.C. F.E.M. 本年本官学者家在年本年 E. ARRAY (2.2.) 泰泰泰泰康康康康康康康康康康康康康康康康康康康康康康康康康康康 等年本教教教教教教教教教教教教教教教教教教教教教教教教教教教教教教教教育 (BP) 人好以UV 专业 汉本文本文》大大文文文文章文章 [LEM] 非生分本有不生物的主义 A ARKAY (22.5) 非非非常的现在非常非常的非常的非常非常非常非常的的的主义的 本方本水中平本市市市市市 C AKKAY (22.5.2) 电水水体电容电池电路电路电路电路电路电路电路电路电路电路电路电路电路电路 *THE STRING MUST BE COMPLETELY FILLED - EXACTLY *;B(I,2);
* CHARACTERS* UNTA 21.5.6.0.0.27.7.5.0.0.48.7.4.0.0.55.7.4.0.0 UNTA 52.7.4.0.0.69.7.5.0.0.76.7.4.0.0.83.4.2.0.2400.87.3.0.0.0 UNTA 10.2.1.0.0.112.4.7.0.0.116.2.8.0.0.118.2.9.0.0 REENTER ENTIRE RECORD 140,8,149,14,143,22,184,13,200,8 211,11,222,8,231,8,240,7,248,10,259,9,2,8,7,276,21,298,24 Dal' CANNUT BE LONGER THAN " FB(1,2)1" CHARACTERS" N WILL END PROGRAM 3120 LAIA 0:0:0:0:3:0:2:1:1:2:0:0:0:0:0:0:0:0:1:3:4:0 1,11,13,30,57,13,71,14,86,22,108,11,120,19 12014,2,0,2400,124,4,2,0,2400,90,7,5,0,0 *X302X545X546X342X548X549X550X551X552* *EKKOR IN LENGTH OF Z&*
*JTHE LAST ENTRY WAS DISKEGARDED. *K941N942N945N951N952N953K954N955* *J**** ABHORHAL PROGRAM END \$\$\$\$* 97,6,5,0,0,103,9,4,0,0,12,6,0,0,0 8.2.1.0.0.12.6.0.0.0.0.20.1.2.1.5 ż (ENTER Y DR FRINT "JHORMAL FROGRAM END" FRINT BU:21 . JHUKE BAIA? NACHAR THEN 730 28.50 GU TO 2820 60 10 1520 FRINT DS1. 60 10 740 INFUT N FRINT 60 16 FRINT FRINT FKINI FRINT FINT A LAIN ENTA **Enta** 3150 DATA Biso bala EALD FIATA INTA KUM SING REA ERE KEH X IV ₩. 13: 14: 7.5 2890 KEM 2930 REM 2620 2630 2840 2900 2910 2950 2940 2970 0000 2770 2760 2750 2800 2850 2HB0 2920 2960 3010 3020 30 50 3050 3060 3090 3100 2750 2810 2660 26.70 3040 3000 066 3070 3080 +++1+++ +++5+++ +++5+++ ++++++ +++2:+++

Z**KEF(*10*,6,2)

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3190 DATA "20212223242526272829" 3200 DATA "DESTERRADEDECUNDHREXENABEAESSSWSELADT"

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*FEAK HEIGHT/AGENT CONCENTRATION/FILUTION/BUBBLER VOLUME.
*CONCENTRATION/SAMPLE)/ANALYSIS TIME/INITIALS##PAGE NUMBER.
*SET IYFE/LOCATION/PURFOSE/START TIME/STOP TIME.
AIKFLOW/CONTROL CONCENTRATION/AIR SAMPLE CONCENTRATION
*KEANALYSIS DATE. EATA ENTA 3260

DATA DATA 3280

3300 KEH 3310 KEA 本非本本本等表表本本本 END OF PROGRAM 本非本本本本非本本非常主义的主义的 KEA

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KEH 4*** DATA SHEET # 9 - ANALYTICAL DATA SHEET FOR MIRAN BO 4***
KEH
DATA ENTRY - LOAD INPUT DATA TO TAPE
VERSION 10 - 3/5/82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRINT "JENTER THE OUTPUT BATA TAPE INTO UNIT 4924"
FRINT "JENTER THE OUTPUT BATA TAPE USING FOR THE OUTPUT TAPE
                                                                                                                                                                 PROGRAM HODIFIED TO ACCEPT NEW FORMAT FOR OL DATA SHEET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FRINT "JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK
                                                                                                                                                                                                                                      DIH E(23,5),C(23,2),IO(2,17)
HIM F*(68),J*(10),K*(38),N*(1),X*(450),W*(104),Z*(104)
                                                                                                     Computer Sciences Corporation
Isaac Willy Traxler
Arril 8,1982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "JIS THIS DATA FOR A NEW WEEK? (ENTER Y DIR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JIHIS TAPE IS FOR DATA SHEET # 1441 FOR "1C$
                                                                                                                                                                                                                                                                                                               STEAKNS-ROGER, INC.
H. E. HARTIN
                                                                                                                                                                                                                                                                                                  ICO PEDMI "JIHIS IS THE URONG INTO TAPE"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OF NAME STATE BYATS THEN 510
                                                           ΒY:
                                                                                                        HODIFIED BY!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hammy THEN 620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF U=33 THEN 590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (£:1:4:1)33=+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFUT 60,13:2$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        F*=5E6(Z*+8+3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C*=5EP(ZE1819)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          At: SEG(Z$1412)
                                                                                                                                                                                                                                                                                                                                                           KEGIS JYNKIFF
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                                                                           八大大学 工工公
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6-10 FEM 本本本本本本本本本本 BEGIN DATA INPUT 非非存货法的非非非常非常非常的非常的非常的非常的非常的非常的非常的非常的
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              950 BEC 中非并来的安全的非常的 CHECK NO. 2 HIMITS 经非债券条件的条件的条件的条件的条件的条件的条件的
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60 TO 860
60 TO B(I,3) OF 910,970,1110,1210,1300,1340,1590
IF LEM(U4)<>B(I,2) THEN 2110
24=KEF(U4,B(I,1),B(I,2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E1-ASC(E*)

IF E1247 AND E1458 THEN 1040

FRINT "THIS ENIKY HUST BE NUMERIC"
                                                                                                                                                                                                                            DP=SEG(X*,C(I,1),C(I,2))
C4:SEG(Z*,E(I,1),E(I,2))
FRINT *ENTEN *;D*;* *;C$
                                                                                                                                                                                                                                                                                                                                                             Z1>E(1,2) THEN 2150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      926 JF ZLS-B(I+2) THEN 2110
980 FOR K-1 TO ZL
                                                                                                                                                                                                                                                                                       F I ○4 THEN 720
F U$<>*01.* THEN 720
                                                                                                                                                                                                                                                                                                                                                                                                                                 U.C. NAT THEN 840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      910 IF Z1=B(I,2) THEN 850
                                       IF TYP(0)=1 THEN 520
                                                                                                                                                                                                                                                                                                                                                                            U4<>+ * THEN 910
U4<>+** THEN 790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    920 FOR KaZ1+1 TO B(I,2)
930 U$=*0**U$
                                                                                                                                                                                                                                                                                                                                                                                                                                                TUR K1=3 TO B(1,2)
                                                                                                                                                                                                                                                                                                                                  U$=** THEN 870
IF T=1 THEN 620
                                                                                  ZE= "KMA0910" &1$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        El=SCG(V*+K+1)
            PU,13:2$
                                                       INFUT @U, 1312$
                                                                                                                                                                                               FOR 12*1 TO 17
                                                                                                                                                                                                                                                                                                                                                                                                     .BNISSIM.=
                                                                                                                                                                                                               I=10(11,12)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               G0 TO 1089
                                                                                                                                                                                                                                                                                                                                                 I=LEN(U))
                                                                                                                                                                                                                                                                                                                                                                                                                       TO 860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GÜ TÜ 1670
                                                                     60 TO 590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 028 01 09 054
                                                                                                 24×2×2H+
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INFUT RUSSIT

+++1++

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1200 KEM AKKAKKKKKK CHELN NO. 4 - LOCATIONS 非非常非常非常非常非常非常非非非非非非非
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    - LINE UF DECIMAL POINTS AAAAAAAAAA
                                                                                                      1100 KEM ********** CHECK NO. 3 - ACCEPTABLE SET TYPES ############
                   1020 FRINT US; HUST BE IN THE RANGE OF ":B(I,4); TO ":B(I,5)
1050 FRINT "JREENTER ":D;; "16.
                UAL (U.) CE(1.4) OR VAL (U.) >B(1.5) THEN 1070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .UML.Y TWO DECIMAL FIGURES ARE ALLOWED.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1300 JF Va='FL' OR Va='QL' OR Va='CA' THEN B40
1310 FRINT Va;" IS NOT A VALID FURFOSE CORE"
                                                                                                                                                                                                                                                                                                                                                                                                                       FRINT US; IS NOT AN ALLOWARLE LOCATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "THIS NUMBER HAS TOO MANY FIGURES"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GG TO JI OF 1440,1450,1520,1520,1520
                                                                                                                                                                                                                                                 FRINT US: IS NOT A VALID SET TYPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF 01=44. OR 08=4>4 THEN 1390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1330 REM ******** CHECK NO. 6
                                                                                                                                       IF Z1<>B(I,2) THEN 2110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IF ZISE(1,2) THEN 1540
Japos(U$,',',1)
IF JeO THEN 1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1F 715#(1,2) THEN 1540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IF Z1=B(1+2) THEN 850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FOR K#21+1 TO B(I)2)
                                                                                                                                                                                                                                                                                                                                                                          IF UN=SN THEN 860
                                                                                                                                                                                                       IF Ut ST THEN 860
                                                                                                                                                                                        S#=SEG(F#,K4,4)
                                                                                                                                                                                                                                                                                                                                                             54=5EG(K4,K2,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VARREP (PAIZIO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01=SEG(V*+1+1)
                                                                                                                                                                      FOR K=1 TO 17
                                                                                                                                                                                                                                                                                                                                            FOR K=1 TO 19
                                                                                                                                                                                                                                                                   GU 10 1080
                                                                                                                                                                                                                                                                                                                                                                                                                                         0801 00 00 0871
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GO TO 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          $68. .=10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .0.8*0-52
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *0.8*A=*A
                                                                                                                                                                                                                                                                                                                                                                                            K2=K2+2
                                                                                                                                                                                                                      N4=K4+4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          J1=Z1-J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21=21+1
1040 NEXT K
                                                                                                                                                                                                                                     MEAT N
                                                                                                                                                                                                                                                                                                                                                                                                           NEXT K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LVIV
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                                                                                                                                          1110
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                                                                                                                                                                                        1.43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            200
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                                                                                                                                       1650 KEA ********** WRITE RECORD TO TAPE AND CHECK FOR COMMENTB $$$$$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N WILL END PROGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                              PRINT "JENTER COMMENT (68 CHARACTERS OR LESS)"
                                                                               FRINT 'NO < OR > IS ALLOWED WITH THIS VALUE.
GO TO 1080
                                                                                                                                                                                                                      FRINT -JIS THERE A COMMENT? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ENTER Y OR NE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N≈9 THEN 2000
INT *JIS THEKE ANDTHER COHMENT?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRINT "JTHIS COMMENT IS TOO LONG"
                                                      G$=*<* OR G$=*>* THEN 1630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2030 FRINT QU.Z:
2040 FRINT FEROGRAM FINISHED*
                           IF Z1>B(1,2) THEN 2150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Z1<>104 THEN 2070
                                                                                                                                                                                                                                                     IF NACHY THEN 2000
                                                                                                                                                                                 IF 2143-104 THEN 2070
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Z1<=48 THEN 1880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF Non Y' THEN 1770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .JMOKE DATA?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OF NACE IN 116N 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             W##REF(C$137,Z1)
                                                                                                                                                                                                                                                                                                                                                                                  WI-KEF (6., 37,34)
                                                                                                                                                                                                                                                                                                                                                                                              WS=REP(G%,71,34)
                                                                                                                                                                                                                                                                                                                                         N##SEG(J&,N,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FRINT GU, 121W
                                          04=SEG(U4,1,1,1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FRINT GALLUS
                                                                                                                                                                                                FRINT 0411Z$
                                                                   GO TO 1360
                                                                                                                                                                                                                                                                                                                                                                                                                                          1"LEN(C+)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60 10 1820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21=LEN(W*)
                                                                                                                                                                  ZI=LEN(Z$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFUT N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IRITUT NO
                                                                                                                                                                                                                                       INFUT NA
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                                                                                                                                                                                                                                                                                                                                                                                                              +++1++
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1560 FRINT 'THIS NUMBER HAS NO DECIMAL FOINT'

1570 GO TO 1080

+++1++

7

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*FUGEOSE/SERIAL NUABER OF MIRAN/SET TYPE/START TIME/STOP TIME*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           *PAGE NUMBER/DATE OF THE SAMPLE COLLECTION (DUMHYY)/LOCATION*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        表示不公式工作的 (1) 人名 (450) 法法律法律法律法律法律法律法律法律法律法律法律法律法律法律法律法律法律
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             *CHLOROPICRIM ~ 1 HOUR AVERAGE/CHLOROPICRIN - FEAK/INITIALS*
                                                                                                                                                                                                                                                                                          2.180 F.E.M. 未不未存在有效的证明。 B. ARRAY (2.33.5) 基本的存储的现代的现在分词的现在分词的现在分词的现在分词
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UNIA 1,11,13,38,52,8,60,7,68,22,91,8,100,10,111,9,120,29,150,19
                     REENTER ENTIRE RECORD.
                                                                                                             - EXACTLY "IB(I,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   *CHLOLOSORA - 1 HOUR AVERAGEZCHLOROFORA - FEAKZINIIIALS*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CHLOKUPICKIN - TARRET CONCZCHLOKOPICRIN - FOUND CONC
                                                                                                                                                                                                                                                                                                                               8.2.1.0.0.12.6.0.0.0.20.2.4.0.0.22.2.5.0.0.24.1.2.1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROSECUE - I HOUR AVERAGEZFIJOSGENE - PEAKZINITIALS*
                                                                                                                                                                                                                  2150 FKINT DAI' CANNOT KE LONGER THAN ";B(1,2); CHLAACTERS"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          - TARGET CONCZCHLOROFORN - FOUND CONC
                                                                                                                                                                                                                                                                                                                                                UNIA 25,4,3,0,0,29,4,2,0,2400,33,4,2,0,2400,37,7,6,0,0
UNIA 44,7,6,0,0,51,3,0,0,0,54,7,6,0,0,61,7,6,0,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          - FOUNT CONC.
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282,26,309,25,334,22,357,21,378,24,403,23
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220 FEINT "JIS THIS BLUG 1611 RECEIFT INSFECTION DATA? (ENTER Y OR N) ")
                                                                                                                                              ***
                                                    DATA SHEET # 10 - BLDG 1411 RECEIPT INSPECTION ****
LATA ENTRY - LOAD INPUT DATA TO TAPE
VERSION 8 - 06/08/81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             300 FECTNI "JINSERT THE DATA TAPE INTO UNIT 4924"
370 FELINI "JENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
400 INFUT U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK
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170 INIT
180 SET NEY
190 LIM B(7.5),C(7,2),F*(6B),J*(10),N*(1),X*(170),Z*(70)
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                                                                                                                         STEARNS-ROCER, INC.
                                                                                                                                           M. E. MARTIN
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FRIMI "JAEENIEK FROM THE BEGINNING"
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1100 FOR N-ZI+1 TO B(I+2)
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1840 KLM decendatabet XS AFRAY (170) toxuspatablatabitisticus sessional 1780 KEM stattstate Jt AKRAY (10) AND F6 AKRAY (68) seststatestates 17.10 万元年,本本文本文本文本文本文 18 内尼汽车(2.10) 建物物物等等的物物物物物物物物物物物物物物物物物物物物物物 1750 KEM 各非毛状状体生生体出作者 C ARRAY (752) 非政治自然非常非常非常的非常的非常的非常的自然的主义 FRINT "THE STRING MUST BE COMPLETELY FILLED - EXACTLY "15(1,2)) FRINT " CHARACTERS" 60 TO 940 *FAGE NUMBER/DATE OF THE SAMPLE COLLECTION (DDMMYY)*
SET TYFE/SET NUMBER/ACTION - IF DESTROYED ENTER AN X
ACTION - IF RETURNED ENTER AN X
CONNENT (43 CHARACTERS OR LESS) IF 147 THEN 1680 FRINT DAY: CANNOT BE LONGER THAN .. IB(1,2)! CHARACTERS. 1720 EAIA 8,2,4,0,0,12,6,0,0,0,18,4,2,0,0 1730 UAIA 22,4,4,0,0,26,1,1,0,0,27,1,1,1,0,0,28,43,5,0,0 1760 DATA 1,11,13,38,51,8,60,16,71,32,103,31,134,31 1810 DATA "KYAIK942K945K951K952K953K954K955* 1 CO TO 940 FRINI "JIHIS COMMENT IS TOO LONG" 1790 HATA - 2021222324* 60 10 940 DATA En TA 71.00 EATAI KEH 1640 FLM 1600 KEM 1670 1580 1690 1610 1630 1700 1740 1770 1630 0081 1860 1870 0681 1660 +++5+++ +++1+++ +++1+++

NEM 38xxxxxxxxxxxxx END OF PROGRAM 各非共体体及政策的非常非常的主要的自身自身自身的自身的自身的自身的

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COO FRINT 'STO THIS FRUCESS DATA (DISASSEMBLY ROOM)? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                               340 FEINT "JINSERT THE BOTA TORE INTO UNIT 4924"
350 FEINT "JERTER THE UNIT NUMBER YOU AKE USING FOR THE DATA TAPE
160 FEM AAAA GAFA SHEET # 11 - FROCESS DATA (DISASSEMBLY ROOM)
110 FEM AAAA DATA ENIKY - LOAD INFOT BATA TO TAPE
120 FEM AAAA VEKSION 7 - 2/24/81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COTENING THE FIRST 3 LETTERS OF THE DAY OF THE WEEK
                                                                                                                                    FIR B(5,5),C(5,2),F4(68),J4(10),N5(1),X8(110),Z4(70)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NO TEIN THIS DATA FOR A NEW WEEK? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "JIHIS TAPE IS FOR DATA SHEET #"144;" FOR "114
                                                                                                                                                                                                                                        330 FLINE "JOU AND USING THE WRONG DATA ENTRY PROGRAM"
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870 乐片 444444444 CHECK NO. 2 - ACCEPTABLE SET TYPES $$$$$$$$$$$$$
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                                                                                                                                                                                                                                                                                                                                                                                                       040 FRINT "STATION NUMBER MUST BE 1, 2, 3, 4, 5 OR BF*850 FRINT "JREENTER ";54;" ";64
                                                                                                                                                                                                                                                                                                                                                                         UAL (U4) (5(1:4) OF UAL (U4)>B(1:5) THEN 840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    970 REH A******** CHECK NO. 3 - NOT USED
                                                                                                                                                               IF ZISE(I.2) THEN 1540
EU TO E(I.3) OF 790,880,980,1000,1060
IF LEN(U+)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  920 IF U$=S$ THEN 740
930 h4=h444
940 next k
950 frint U$;* IS NOT A VALID SET TYPE*
                                                                D#=SEG(X*,C(I,1),C(I,2))
C**SEG(Z*,B(I,1),B(I,2))
FKINT 'ENTER ';D*;" ';C*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IF Z1CB(1,2) THEN 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1000 IF Z1=B(I,2) THEN 749
1010 FUR N=Z1+1 TO B(I,2)
                                                                                                                                                                                                                                                                                                                                        IF Z1=B(I,2) THEN 820
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                                                                                                                              IF U4=** THEN 750
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                                                  OR 1-1 TO 5
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                                                                                                                                              FRINI "JIS THERE ANOTHER COMMENT? (ENTER Y OR N)
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1480 FRINT *JTHE LAST ENTRY WAS DISKEGARDED.
1580 60 TO 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1410 FRINT "JHURE DATA? CENTER Y OR NE
                                                                                                                                                                                                                                                                                                                                                                                   THIS COMMENT IS TOO LONG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1440 FRINT 6U.2:
1450 FRIMT *PROGRAM FINISHED*
                                                                                                                                                                             1210 IF N4C>*Y* THEN 1360
                                                                                                                                                                                                                                                                                                                                                              1F Z1 -47 THEN 1330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF HACKIN THEN 630
                                                                              IF Z1.270 THEN 1480 FRINT 841:28
                                                                                                                FRINT QUALZIZA
IF N=11 THEN 1410
                                                                                                                                                                                                                                                                A& = SEG(J$,N,2)
24-EEF(A&,5,2)
71=KEF(G$,24,47)
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	1630	UATA 8:2:4:0:0:12:6:0:0:0:0:18:4:2:0:0 UATA 22:2:1:1:5:24:47:5:0:0
	1650	1650 REN 1660 REN abenebeke G ARKAY (G*2) bahanananananankerenebekerenebeke
	1670	1670 DATA 1,11,13,38,51,8,60,14,75,31
	1680 KEM 1690 KEM	1650 KEM ********** Je arkay (10) and Fe array (68) ************************************
	1700	1700 DATA *2021222324*
	1710 REM	RCM
	1720	1720 Inta "K941K942K945K951K952K953K954K955" 1730 Inta "X302X545X546X547X548X549X550X551X552".
	1740-REM 1750-REM	NEM RGM 非非非正常非正常的 XS ARRAY(110) 非常非常非常非常非常非常的的现在分词 医自己的 医二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基
	1760 1770	1760 DATA "FAGE NUHEER/DATE OF THE SAMPLE COLLECTION (DDHMYY). 1770 DATA "SET TYFE/STATION NUMBER/COMMENT (47 CHARACTERS OR LESS).
	1750 REH 1790 REH	REN 本米年本米本米本本本本本 END OF FROCKAM 非非由非非非非非非非非非非非非非非非非非非非非非非非非非非非

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GEO PRINT 'JAREE YOU ENTERING DATA FROM A NEW PAGE? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FRINT "JINSERT THE DATA TAPE INTO UNIT 4924".
FRINT "JENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
                                                                        100 KEM **** DATA SHEET # 12 - FROCESS DATA (RESIDUE AREA - PIGS)
110 KEM **** DATA ENTRY - LOAD INFUT DATA TO TAFE
120 KEM **** VEKSION 7 - 2/24'81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              390 FRINT *JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK . *;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             460 FRINT 'JIHIS IS THE WRONG DATA TAPE"
450 FRINT 'JIHIS TAPE IS FOR DATA SHEET #': 144; FOR '114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     THE THIS DATA FOR A NEW WEEK? (ENTER Y OR N)
                                                                                                                                                                                                                                                      "JIS THIS FROCESS DATA (RESIDUE AREA - PIGS)7
                                                                                                                                                                                                                                                                                                                                 230 PRINT "JYDU AKE USING THE WRONG DATA ENTRY PROGRAM"
                                                                                                                                                                                                                         HIM E(5,5),C(5,2),F$(68),K$(1),X$(90),Z$(31)
H$="XX XXXXXXXXXXXXXXXXXXXX."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF D$=*12* AND B$=T$ THEN 510
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                                                                                                                                                                                                                                                                        200 FRINT "ENTER Y OR N
                                                                                                                                                                                                                                                                                                            IF N42.Y. THEN 250
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E++5EG(24,0,3)
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1 60 TD 100
4 60 TO 200
8 66 TO 1410
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                                                                                                                                                                                        30 TO I OF 870,870,870,740,740
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                                                                                                                                                                                                                                                                                                                                                                                                 F LEN(U4) (>B(1,2) THEN 1480
                                                                                                                                                                                                         34=5E6(X*,C(I,1),C(I,2))
                                                                                                                                                                                                                                                                                                                                                                                                                  Z*=KEF(U*+B(I+1)+B(I+2))
                                                                                                                                                                                                                          :4=SEG(Z4,E(I,1),B(I,2))
                                                                                                                                                                                                                                         KINI "ENTER "IDSI" "ICS
                                                                                                                                                                                                                                                                                                                                                                 21>6(1,2) THEN 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       910 IF Z1<>B(I,2) THEN 1480
                                                                                                                                                                                                                                                                           F USCHEND THEN BLO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       050 FUR N=21+1 TO B(1,2)
IF N$#*Y* THEN 670 Ni=SEG(24,30,2)
                                                                                                                                                                                                                                                                                                                               F UNET THEN 870
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                                                                                                                                                                         J=0 THEN 740
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                                                  Z*=*KMA1210*1H$
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1120 U1=STK(N)
                                 N=UVI (N)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "THE STRING MUST BE COMPLETELY FILLED - EXACTLY "18(1,2);
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N WILL END PROGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1520 FRINT DAI' CANNUT BE LONGER THAN ';B(1,2); CHARACTERS'
                                                                                                                                                                                                                                                                                                                                             FRINT JANY HOKE DATA FROM THIS SHEET? (ENTER Y OK N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1560 PMIN 8:2:3:0:0:12:5:0:0:0:18:4:1:0:0
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                                                                                                                                                                                                                                                                                                                                                                                                    300 FRINT *JENTER TOTAL PIGS DECONNED
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                                                                                                                                                                         IF Z1<>31 THEN 1940
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IF N$="N" IHEN 1400
                                                                                                                                                                                                                                                                                                                                                                                IF K$= *Y* THEN 700
1130 U4=EEP("0",111)
1140 IF N<10 THEN 1160
1150 U4=SFG(U4,2,2)
1160 Z4=KEF(U4,30,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                         IF NI-N THEN 1350
                                                                                                                                                                                                           1230 FKINI @U.12:Z$
1230 J=1
1240 GO TO 700
                                                                                                                                                                                          210 FKINT 841124
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1670 DATA 'FAGE WUHDER/DATE OF THE SAMPLE COLLECTION (DDHNYY). 1680 DATA 'SET TYPE/SET NUMBER/SKID NUMBER. 1630 FATA "N941K942K945K951K952K953K954K955-

1600 DATA 1:11:13:38:51:8:60:10:71:11

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SAD FRINT CLARE YOU ENTERING DATA FROM A NEW PAGE? (ENTER Y OR N)
                                                         100 FEM 4443 DATA SHEET # 13 - FROCESS DATA (RESIDUE AREA - DRUMS)
                                                                                                                                                                                                                                                                                                                                                                                                                326 FRINT 'JENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                             330 FRINT JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK
                                                                                                                                                                                                              *JIS THIS FROCESS DATA (RESIDUE AREA - DRUMS)?*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    450 FEINT 'JIS THIS DATA FOR A NEW WEEK? (ENTER Y OR N)
                                                                                                                                                                                                                                                         IF N. 3-3'Y THEN 250
FRINT "JYOU AKE USING THE WRONG DATA ENTRY FROGRAM"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       430 FRINT 'JTHIS IS THE WRONG DATA TAFE' 440 FRINT 'JTHIS IS FOR DATA SHEET 4": 646", FOR ": 15
                                                                                                                                                                                                                                                                                                                                                                                                  310 FRINT "JINSERT THE DATA TAPE INTO UNIT 4924"
                                                                                                                                                                              61H B(4,5), C(4,2), K$(1), X$(90), Z$(27)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF ATH' 13" AND BAHT THEN 460
                                                                                         - 2/24/8
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                                                                                                                                                                                                                             ENTER Y OR N
                                                                        TO REH ### DATA ENTRY
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630 REM 法非常许许实际证明证据 BEGIN DATA INPUT 非非非常非常非常非常非常的非常的非常的的非常的
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                                                                                                                                                                                                                                                                                                                    04-SEG(V4.1.1)
1F 04-F' THEN 760
FRINT "LINE FIRST CHARACTER OF THE "1041" MUST BE F'
FRINT "LEEENTER "154;" "1C4
                                                                                                                                                                                                                                                                                                                                                                                                             - NOT USED
                                                                                                                                                                          60 TO B(1,3) OF B10,880,900,960 IF LEN(U4)<>B(1,2) THEN 1360
                                                                                                                                                                                                                                                                                                                                                                                                       870 REH ********* CHECK NO. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REM 444444444 CHECK NO. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REM ******** CHECK NO. 4
                                                                       D#=SEG(X*,C(I,1),C(I,2))
C4=SEG(Z7,E(I,1),E(I,2))
                                                                                                    PRINT "ENTER "1041" "1C4
                                                                                                                                                                                                      Zt=KEF(V*, B(I, f), B(I, 2))
                                                                                                                                                           Z1>B(1+2) THEN 1400
                                                                                                                                                                                                                                                                                                       IF Z1<>B(1,2) THEN 1360
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FOR KxZ1+1 TO B(I,2)
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1310 fem aarakkakaa infonosiic Messacks aaraabakaabakababaaaaa 1140 KEM 本本年年本本本本本本本 CHECK END OF DATA 非生命检查检查检查检查检查检查检查检查检查检查检查检查检查检查 "JTHIS TOTAL DOES NOT AGREE WITH THE CALCULATED TOTAL - "IN 1350 FRINT 'THE STRING HUST BE COMPLETELY FILLED -- EXACTLY '18(1,2); 1370 FRINT 'CHANACTERS' REENTER ENTIRE RECORD. 15to bata "Fade Abakekzbade OF THE SAMPLE COLLECTION (DIHHYY)" 15to bata "Okba Ruhbekzbrum Weishi" 'FLEASE CHECK YOUR SHEET.
"JHORE EATA? (ENTER Y OR N) N WILL END PROGRAM) 1466 FRIMI D*; CANNUT BE LONGER THAN ";B(I,2); CHARACTERS" 1416 60 TO 850 FRINT JANY HORE DATA FROM THIS SHEET? (ENTER Y OR N) 1320 FKINT "EKKOK IN LENGTH OF Z\$" 1530 FKINT "JÜLE LAST ENTKY WAS ÜISKEGARDED. 1340 GO 10 620 1440 IMIN 8/2/3/0/0/12/6/0/0/0/18/5/1/0/0 FRINT *JENTER TOTAL DRUHS *; 1480 PATA 1.11.13.38.51.11.63.11 FRINT *FROGRAM FINISHED* IF N#="N" 1HEN 1280 FRINT JANORE DATA? IF K\$="Y" THEN 650 IF REN THEN 1230 00,21 1350 to 10 850 GO TO 650 MAPEUL N. IN UI K IN TO INI FEINI FEET FKIRT ت -KI.H 1390 RLM 11350 EFM 1350 NEM 1130 1150 1160 1170 1180 0.141 1210 1230 200 500 36 2.10 4++2;++ ++12++1 +++11+++ 111111 1+11+++ +++7++

1F Z14727 THEN 1320

1090 21=LEN(2\$)

1100 JF ZINNEN THEN 1110 FRINE 641128

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                                                                                                                                                                                                                                                                                                                                                                                                                         319 FEINT "JINSERT THE DATA TAFE INTO UNIT 4924"
3-3-14 FRT "JENTER THE UNIT NUMBER YOU ARE USING FUR THE DATA TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   THE DAY OF THE WEEK
100 FFH 4444 DATA SHEET # 14 - FROCESS DATA (SPRAY DRYER)
110 Ftm 4414 DATA ENTRY - LOAD INFUT DATA TO TAFE
130 FEM 4444 VERSTOM 7 - 2/24/81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             440 FAINT "JIHIS INFE IS FOR IMIN SHEET WINST", FOR "IIS
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                                                                                                                                                                                           "LIS THIS PROCESS BATH (SPRAY BRYER) ?"
                                                                                                                                                      EER E(4,5),C(4,2),NE(1),XE(90),ZE(27)
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630 REM ARKERSSERS BEGIN DATA INPUT BREEKERSSERSSERSSERSSERSKERKERKERKERESERSE
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840 FRINT "JIHE FIKSI CHARACTER OF THE "1041" HUST BE 8°
850 FRINT "JREEN, TR "1041" "164
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                                                                                          D**SEG(X**C(I*1)*C(I*2))
                                                                                                            C*-SEG(Z*,E(I+1)+B(I+2))
                                                                                                                            FRINT FENTER "JOST" "JCS
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830 1F U4#*S* 1EN
                                                                        FUN 1-1 TO 4
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                                                                                                                                                                                                                                                                  (ENTER Y OR NE N WILL END PROGRAM)
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                                                                                                                        THIS SHEET? (ENTER Y OR N)
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1100 IF ZIN 27 THEN 1320
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1530 REM

21=LE M(28)

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100 KEN 414* DATA SHEET 4 15 - FROCESS BATA (ELECTROSTATIC PRECIPITATOR)
110 FEM 3*** DATA ENTRY - LOAD INPUT DATA TO TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JAKE YOU ENTERING DATA FROM A NEW PAGE? (ENTER Y OK N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                      510 FRINT *JINSERT THE DATA TAPE INTO UNIT 4924*
520 FRIAT *JENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
530 INFOT U
                                                                                                                                                                                                           DIA B(4,5),C(4,2),K*(1),X*(90),Z*(27)
HL:"XX XXXXXXXXXXXXXXXXX
FRIAI "JIS THIS FROCESS DATA (ELECTROSTATIC PRECIPITATOR)?"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        JENTER THE FIRST 3 LETJERS OF THE DAY OF THE WEEK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FRIMI "JUHIS IS THE WRONG DATA TAPE"
FRIMI "JUHIS IAFE IS FOR DATA SHEET * 1446 FOR '114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ENTER Y OR N)
                                                                                                                                                                                                                                                                                            IF N+=+Y* THEN 250
FRENT "JYOU AKE USING THE WRONG DAT4 ENTRY PROGRAM"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               *JIS THIS DATA FOR A NEW WEEK?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF A4= 15 AND BYBTS THEN 460
                                                                                                     20 RFM *** VERSION 7 - 2/24/81
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Et-5E6(21,8,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             b: 5E6(T$,1,3)
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                                                                                                                                                                                                                                                                                                                                                                                                                 FKINI "JTHE FIRST CHARACTER OF THE ";D6;" MUST BE E"
FKINI "JREENIER ";D$;" ";C$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    870 REM ********* CHECK NO. 2 - NOT USED
                                                                                                                                                                                                      60 TO B(1,3) OF BIO,880,900,960 IF LEN(U$) (>B(1,2) THEN 1360
                                                                                                      HESEG(Z*, B(I,1), B(I,2))
(INT 'ENTER '; D*; '; C*
                                                                                                                                                                                                                                           Z4=KEP(U*, B(I,1), B(I,2))
                                                                                                                                                                                                                                                                                                                                                            IF Z1<>B(1,2) THEN 1360
                                                                                                                                                                                      Z1>E(1+2) THEN 1400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        900 IF ZI=B(I,2) THEN 760
910 FOR K=ZI+I TO B(I,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            960 IF V$<>*NA* THEN 900
970 V$=*NA *
960 GU TO 760
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1050 9**SEG(9**2*2)
                                                                                                                                                      U$=** THEN 770
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FRINI "JAGGKE BATA? (ENTER Y OR N) N WILL END PROGRAM) "I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1350 FRINT 'THE STRING AUST BE COMPLETELY FILLED - EXACTLY ''B(1,2);
                                                                                                                                                                                                                                                                                                                                                                                                                 1320 FKINT 'EKKOK IN LENGTH OF Z$.
1330 FKINT 'JTHE LAST ENTRY WAS DISREGARDED, REENTER ENTIRE RECORD.
1340 GO 10 620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1510 DATA 'PAGE NUABER/DATE OF THE SAMPLE COLLECTION (DDHNYY).
1520 DATA 'DRUH NUABER/DRUM WEIGHT'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1400 FKINT DAI' CANNOT RE LONGER THAN 'BKI'2)! CHARACTERS'
                                                     PRINT "LANY HORE DATA FROM THIS SHEET? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1440 ENTA B.2,3,0,0,12,6,0,0,0,18,5,1,0,0
                                                                                        IF N$A*Y* THEN 650
FRINT "JENTER TOTAL DRUMS ";
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                                                                                                                                                 IF MI-H THEN 1230
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IF Z1.>27 THEN 1320

1100 IF ZIC>27 THEN 1110 FRIME 641:24 1120 FRIME 60412:24 71 "LEN(21)

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540 FKIRE "JENIER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
                                                                                                                                                                 FELDY *JIS THIS ID SETS FLANT BOUNTINE DATA? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                    "JUNIER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK
 - IO SET FLANT DOWNINE DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "JINIS IS THE WKONG DATA TAFE"
"JINIS TAFE IS FOR DATA SHEET #"!A$!" FOR ";C$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "JIS THIS DATA FOR A NEW WEEK? (ENTER Y OR N)
                    - LOAD INPUT DATA TO TAPE
                                                                                                                                                                                                                230 IF NASSY THEN 260
230 FEINT "JYOU AKE USING THE WRONG DATA ENTRY PROGRAM"
                                                                                                                                                  HIH B(12,5),C(12,2),J(2),N*(1),X*(250),Z*(101)
                                                           STEAKNS-ROGER, INC.
H. E. HARTIN
                 UATA ENTRY - LOAD II
VERSION 9 - 7/17/81
  INTA SHEET # 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPEGUET THEN 590
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760 KEH *********** SUBROUTINE - CALC DT IN HOURS AND 2 DEC PLACES ***
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IF LEN(U4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . E.(1,4) AND USER(1,5) THEN 730
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF E1247 AND E1458 THEN 1080
FRINT 'THIS ENTWY MUST BE NUMERIC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1150 IF I=11 AND V=98 THEN 720
1160 FKINT D*1" IS AN INVALID NUMBER
                                                                                                                                                                                                                                                                                   820 K=VAL(K4)

830 J(I)=J(I)+K/60

840 K=XI I

860 K=(J(2)-J(I))*100+0.5

870 K=SIR(K)

850 K+=SIR(K)

890 K+=KEP(**1.1)

910 GG TG KI GF 940,950,960,970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1010 IF ZIC>E(I+2) THEN 1830
1020 FOR K=1 TO ZI
                                                              21\F(1,2)\THEN 1870
FRINT SENTER "1051" "
                            IF U4=** THEN 740
                                                                                                                                                                                                                                                        K4=5EG(Z4,M+2,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E%=SEG(U%+K+1)
                                                                                                                                                                                                                                         J*=5EG(Z$:M,2)
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                                                                                                                                                                                                                                                                         J(I)=00L(J4)
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                                               ZI=LEN(U+)
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1320 KLM arfarkareta CHEUK NO. 4 - CHEUK Y OR N statebusheratetstatetstatetstatets
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1370 KIRI 4488888888 CHE ( NO. S - CHECK TIMES $$$$$$$$$$$$$$$$$$$$
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                                                                                                                                                                                                                     . 210 бел этелетете СПЕСК ИО. 2 — DATE детелелелеления приментальный приментал
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1420 FRIME "USIDE TIME MUST BE LATER THAN START (IME. REENTER RECORD*
1430 GU TO 620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ENTER Y OR N)
1105 FRINT TARENTER THE THE KANGE OF "FB(1,4)1" TO "FB(1,5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1460 FRINT "JIS THERE LUWNTIME DATA TO BE ENTERED?
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1520-71-711-NU DUMATIME
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1330 IF U$0*Y* GK U$0*N* THEN 730
                                                                                                                                                                                                                                                                                                                   1229 JF Z1C-6(1,2) THEN 1830
1230-60-70-1480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1250 1F Z1*B(1/2) THEN 1290
1260 FOR N=Z1+1 TO B(1/2)
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• .	1793 1800 1810	1793 FRINT 'ERROR IN LENGTH OF Z** 1809 FRINT 'JTHE LAST ENTRY WAS DISKEDARDED. REENTER ENTIRE 1810 GG TO 629	TIRE RECORD.	
•	1820	1820 REM		
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. •	0281	1860 KEM		
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                                                                   H. E. MARTIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 000
                                                                                     037
+++9+++
                                                                                                                                                                                                                                                    +++1++
                                                                                                                                                                                                                                                                               +++9+++
                                                                                    +++5+++
                                                                                                             +++2+++
                                                                                                                                                                    ++12+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             * * * * * * * *
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```
1430 REM KKKKKKKKKKK LAB DATA COORDINATOR SHEET KAKKKKKKKKKKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CONTROL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER PAGE . 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               600 PRINE PAL: USING "717,13A"1"-REANALYBIS---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CONC
                                                                                                                                                                                                                                                                                                                                                                      GO TO 1660
ES="LAB DATA COORDINATOR WORK SHEET"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FRINI 9411" "HAF" "FIAFE, "FUSESINA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          629 FRINT @41:E$1*CONC CONC 6.50 E$4*NUMBER AGT LOC PURP STRE STOP 640 FRINT @41:E$1*NEAS AIR H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F ES ZG$ THEN 1460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          E 1-7114 THEN 1460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       £10-15 THEN 1460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6.5 JA 116 N 1460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             THEN 1460
                                                                                                                                                                                                                                                                                                                                                      IF J2=0 THEN . 1460
                                                                                                                                                                                                                                                            IF ZO-2 THEN 2410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEG(61-112,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E4-St 6(A4,12,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SLU(A$11412)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   720 Et-Steratile,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                560 E$=EEG(A$,10,2)
                                                                                           L1=KEP(115,44,7)
                                                                                                                                                                                                      L**RLF(H$,62,4)
H**SEG(A$,87,3)
M4#SEG(A4,62,7)
                                     L9+KEP(#8,35,7)
                                                                                                        H$=SEG(A$,74,7)
                                                                                                                                                 L1=REP(H1,53,7)
                                                                                                                                                               M8-5CB(A8,03,4)
                                                                                                                                                                                                                                                                    FRINT PALILSIUS
                                                                                                                                                                                                                                                                                                                                                                                                                                             65=5EG(A$, 10,2)
                                                    M$-5EG(A$, 49,7)
                                                                                                                                                                                                                                L&=KEP(H$, 69,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         570 FRINT RALIEES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      $=0£8(68+14+2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      51911491935=4
                                                                                                                                                                                                                                                                                                                                                                                                   PRINT 641: L
                                                                                                                                                                                                                                                                                                                                                                                                                                                          HE=5EG(A$,12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   **CEG(A$,11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CON AUG. -- $
                                                                                                                                                                                                                                                                                                                                                                                                                FRINT 041:"
                                                                                                                    IF M$<>*NA
                                                                                                                                                                            IF MS. > 'NA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E *= CONTROL
              IF HSC> NA
                                                                                ď
                                                                  IF MSKY NA
                                                                                                                                                                                                                                                                                                                                                                                                                               1470 PKINE 041:
                                                                                                                                                                                        H1-. NA .-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . : 4 4
                                                                                                                                                                                                                                                                                                                 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              730 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        760
                                                                  1250
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                                                                                                                                                                                                                                 370
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                                                                                                                                                                                                                                                                                                                                                                                    +++2+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                +++1+++
                                     +++1+++
                                                                                          +++1+++
                                                                                                                                                 +++1++
                                                                                                                                                                                                      ++11++
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DIIO KEH 非非非常非非非非非非 KEANALYSIB DATA 经基础的非非非非的的非非非非非的的的非常是有的非常的的。
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                                                                                                                                                                                                                                                                                                                    . THEN 2060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       THEN 2280
                                                                                                                                                                                                                                                               . THEN 2020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . THEN 2330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HE: SEG (A4+116+2)
                                       H4=SEB(A4+116+2)
                                                                                                                                                                                                                                                                                                       H$=5E6(A$,103,9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       H*=SEG(A*+120+4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              M8=SEG(A4,118,2)
              M$=5EG(A$,18,2)
                                                                 M$-5EB(A$,118,2
                                                                                                                                                                                   L$= NEP (H$, 32,7)
                                                                                                                                                                                                MI, SEG(01,97,6)
                                                                                                                                                                                                                                      (. 5 = KEP (#$ + 41 + 6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MS=SEG(A$,21,6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        M1=SEG(AK, 18,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Lt. 6FP (MC, 32,2)
                                                                                                                                                                                                                                                     H$-SEG(A$,76,7)
                                                                                                                                                                                                                                                                                                                                              L1=KEP(41,58,9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LS=KCP(Ht, 13,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MS=**CGGG53+76+73
                                                                                                                                                                                                                                                                                        L & = KEP (M$ , 49 , 7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MS: SEG(AN, 90,7)
                                                                              _#=KEP(N#+18+2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LA-REP(MA-1,6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .1=KEP(H$118,2
*** KEP (H$,1,6)
                          1.5-KEP (M$1912)
                                                                                                                                             N4=SEG(A4,90,7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     L. B.-R.E. P. (M&, 9,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (2144) 4] 1954 1
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                                                                                                       LEFKHEN
                                                                                                                    H$=SEG(A$+1
                                                                                                                                                          WN. OSH BI
                                                                                                                                                                                                               AN. CYN
                                                                                                                                                                                                                                                                  WW. CYPH
                                                                                                                                                                                                                                                                                                                      EN. CYPE BE
                                                                                                                                                                                                                                                                                                                                                                                                             2090 60 10 2800
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13=KFF(*
                                                                                                                                                                                                                                                                                                                                                            L*=KEP(*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2120 L$=0$%*
                                                                                                                                                                                                                                                                                                                                                                                                                                          21:00 KEH
                                                                                                                                                                                                                                                                                                                                                                                    2080 REH
                                                                                                                                                                                                                                                                                                                                                           2070
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                                       0581
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             1810
                                                    1340
                                                                1850
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                                                                                                                                                                                                                                                                               2010
                                                                                                                                                                                                                                                                                          +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    +++11++
                                                                                                                                                                                   +++1+++
                                                                                                                                                                                                                                        +++1+++
                                                                                                                                                                                                                                                                                                                                              +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 +++1+++
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2780 REH
2780 REK ********* LAB DATA COORDINATOR COMMENTS ************
                                 2400 KEN 非非非非非非非非非 ANALYBT COMMENTS 非非非非非非非非非非非非非非非非非非非非非非非非
                                                                                                                                                                             09/20 OR 09/29 THEN 2530
09/24 THEN 2560
                                                                                                                                                                                                                               FRINT @41:L$
IF 20<>2 AND 26<>1 THEN 540
                                                                                                                                                                                                                                                                                                                                          IF 09/25 OR 09>29 THEN 620
60 TO 2520
                                                                                                                                 IF 20<>2 THEN 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IF 09<20 THEN 620
IF 09>29 THEN 620
IF 09>24 THEN 2665
U**SEG(0*,34,58)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2010 IF ZO<>2 THEN 2860
                                                           26=9
IF 20<>2 THEN 2470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20<>2 THEN 540
                                                                                                                                                                                                                                                                                 2520 JF 20<>2 THEN 540
                                                                                                                                                                                                                                                                                                                                                                                                               IF ZOCAS THEN 540
                                                                                                                                                                                                       U$=5EG(A$,34,58)
                                                                                                                                                                                                                                                                                                                                                                                                       2650 PRINT @4116.41U$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2820 [NFUT @UI:A*
2830 Z6=1
2040 [NFUT @UI:6:Z0
                                                                                            2440 Z6=1
2450 INFUT 0U1+61Z0
                                                                                                                                                                                                                                                                                                                                                                                                                               INFUT GUL: A$
                                                                                                                                                                                                                                                                                                        INFU1 011,6:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                  81-SEG(A1.4.2)
                                                                                                                                                         B$=5EG(V$.6.2)
                                                                                                                                                                                                                                                                                                                     84-SEG(A11612)
                                                                                   INFUT @UIIA$
                                                                                                                                                                                                                                                                    2560 PRINT BALLS
                                                                                                                                                                                                                                                                                             INFUT PULLINS
                                                                                                                                                                                                                     GO TO 2650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09=VAL. (14)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  00 10 2660
2380 60 10 2800
                                                                                                                                                                                                                                                                                                                                  09-VAL (FI)
                                                                                                                                                                                                                                                          60 TO 620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2800 2600
                                                                                                                                  2460 KEH
                        REA
                                                                                                                                                                                                                                                                                                                                                                               2640 REH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2750
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                                                           2410
2420
2430
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                       2390
                                                                                                                                                         2470
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                                                                                                                                                                                                                                                                                             0855
                                                                                                                                                                      2400
                                                                                                                                                                                             2500
                                                                                                                                                                                                                                                                                                         0650
                                                                                                                                                                                                                                                                                                                     2600
                                                                                                                                                                                                                                                                                                                                  0193
                                                                                                                                                                                                                                                                                                                                                                                                      +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1112111
                                                                                                                                                                                                                                1++1++
                                                                                                                                                                                                                                                                              +++1+++
                                                           +++1++
                                                                                                                                                         +++1++
                                                                                                                                                                                                                                                                   +++1+++
```

THEN 2370

2340 H&+SEG(A4,103,9)

L&=KEP(MS, 77.9)

+++1++

2350 IF M4C>*NA 2360 M4a* NA[* 2370 L**KEP(M4,77,9)

3110 KEM 本本本本本本本本本本本 IS (14) - AGENTS 库存存货存在存货存存的存货存货存货的 PRINT 841: USING '87T, 45A':N\$ 09420 OR 09>29 THEN 620 09425 THEN 2990 3120 DATA 'H CNCNPBT L GBL " Mt=SEG(A4,34,45) 2980 PRINT BAILLINA B\$=SEB(A\$,6,2) B9=VAL(B\$) 3020 F4=SEG(A\$,6,2) INFUL BULLAS 09-UAL (E4) 2970 KEH 3100 REM 2990 3000 3010 +++5+++ +++5+++

2850 KEN IF 20<>2 THEN 150

•

3130 REM 非米米米米米非非米米米米米米米米米米米米 END OF PROGRAM 法安非法法法法法法法法法法法法法法法法法法法法法法法法

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999 REH KOUTINE TO INITIALIZE ARRAYB AND PROMPT USER FOR DATA TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1070 BIH 18(110),F$(111),B$(110)
1080 BIH L(9,3)
11000 FRINT GU3:"JINSERT DATA TAPE INTO EXTERNAL TAPE DRIVE"
11100 FRINT GU3:"CK"
11100 FB:"123454"
1130 F$="1
                                                                                                                                                                                                                                                                                        EU31.6WGKGOGNJGG BDGABTGAG GTGAGFGEG.
QU31.4*** ABNORHAL END OF PROGRAH ****
                                                                                                                                                                                                                                                          FRINT QUIT *** NORMAL END OF PROGRAM ***
MIRAN PRINT PROGRAM
Commuter Sciences Corporation
Isaac Willy Traxier
4 - 27 - 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        READ L(I:1), L(I:2), L(I:3)
                                                                                                              FOR 11=1 TO 6
. S4=SEG(24,11,1)
GOSUB 2000
                                                                                                                                                                                                     S**SEG(Z*,I1,1)
                                                                                                                                                                                                                                                 .TT.: 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .140 FUR 1=1 TU 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FOR 1=1 TO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DATA 37,7,20
                                                                                                                                                                                       FOR 11=1 TO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        68,3,70
                                                                                                                                                                                                                    GOSUN 2000
                                                                                       G0SUB 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Et=Et218
                                                                                                                                                            NEXT II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     120 NEXT 1
                                                                                                                                                                          H$=.01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 160 NEXT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RF LURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 050 FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                            010 01=33
                                                                                                                                                                                                                                                                                                                                                                                                                                          U2=11
                                                                                                                                                                                                                                                                                                                                                                                                                                                      U3=32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     U4=41
                                                                                                                                                                                                                                                 FRIM
                                                                                                                                                                                                                                                                                         PRINT
                                                                                                                                                                                                                                                                                                      PRIKT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DAIA
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                                                                                                                                                                                                                                                                           END
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0071
                                                                                                                                                                                                                                 210
                                                                                                                                                                                                                                                                                                                     320
                                                                                                                                                                                                                                                                                                      310
                                                                                                                                                                                                                                                                           240
                                                                                                                                                                                                                                                                                         300
2000
```

FIND QU2:1

2000

```
2999 REM KOUTINE TO PRINT HEADING AT TOP OF EACH BHEET
                                                                                                                                                                            2145 REH CHECK SERIAL NUMBER
                                                                                                                                    2130 T*=SEG(I*,22,2)
2140 IF T*<>H* THEN 2100
                                                                                                                                                                                                                       2160 IF T$<>5$ THEN 2100
                                                                                                                                                                                                                                                    2165 KEH GET PAGE NUMBER
                                                   INFUT 0U2,61E1,E2
IF E1<>2 THEN 2240
                                                                                                        2125 REM CHECK PURPOSE
                                                                                                                                                                                                         2150 T#=SEG(I#,24,1)
                                                                                                                                                                                                                                                                            2170 T$=5EG(I$,8,2)
$=SEG(I$11,5)
                                                                              2120 INFUT @UZ11$
                                                                                                                                                                                                                                                                                                                                       210 GUSUR 3000
                                                                                                                                                                                                                                                                                             FI=VAL (T$)
                                                                                                                                                                                                                                                                                                                                                      4000
                                                                                                                                                                                                                                                                                                                                                                                RETURN
                                                                                                                                                                                                                                                                                                                                                      60508
                                                                                                                                                                                                                                                                                                                         F0=F1
                                        0=0.
                                                    2100
                                                                                                                                                                                                                                                                                                                        200
                                                                                                                                                                                                                                                                                                                                                    220
                                       0202
                                                                                                                                                                                                                                                                                            2180
                                                                                                                                                                                                                                                                                                          190
                                                   +++2+++
                                                                                                                                                                                                                                                                                                                                                  1++1++
                                                                                                                                                                                                                                                                                                                                                                              +++1+++
```

"L, 33X, 16A, 21A, 8A": "DAY HO YR", T\$, U FKINT BU4: USING *45X,21a,/*:*ANALYTICAL DATA SHEET* FKINT BU4: USING *52X,8A*:*MIRAN 80* 3040 FRINT 044; USING *L,51X,9A,2A*1*LDCATION*,T\$ 3043 T*='MIRAN SERIAL NO." : FRINT GUA: USING 3110 FEIGH 2041 USING SIZO PRINI PU4: USING T\$=SEG(1\$,20,2) 5040 14×SEG(14/12/4) UESTS 6 (14) 2514) TE- FEF (* *, 6,0) UN="SET TYPE" 1070 FE-KEP(*) J34 10 Gets 11.50 PELIIT 9000 0000

```
3999 REM KOUTINE TO FRINT OUT DATA AND COMMENT RECORDS
                                   INIT
              3140 FRINI BU41 USING 31701°FUR", TIME"
3170 IHAGE 3A-5X,11A,3(*1 HK AVG PEAK
3180 GO TO 3210
3190 FRINI BU41 USING 32001°FUR", "TIME"
3200 IMAGE 3A-5X,11A,3(* TARGET FOUND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .+=5E0(1*+1.(1+1)+L(1+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              P*=KEP(T*+L(I+3)+L(I+2)
3150 IF H$<>*FL* THEN 3190
                                                                                                                                                                                                                                       COMMENT, RECORD
                                                                                                                                                                                     4000 T$ESEG(I$,6,1)
4010 IF T$="1" THEN 4150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                4140 REM DATA RECORD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF C1<>1 THEN 4280
                                                                                                                                                                                                                                                                                                                                                  P*=KEP(14,22,68)

IF C1=1 THEN 4110
F*=KEP(*J*,1,0)
                                                                                                                                                                                                                                                                                                                                    T$=SEG([$,37,68)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4250 IF C1<>1 Inen -- 4260 P*=REP(*1*,11,0)
                                                                                                                                                                                                                                                                                     4040 T$=SEB(1$,29,8)
4050 Ty=REP(*-*,5,0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4180 T$=SEG(1$,29,8)
4190 T$=REP("-",5,0)
4200 P$=REP(1$,7,9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4160 [*=SEG(I*,22,2)
                                                                                                                                                                                                                                                                                                                   F4=KEP(T4,7,9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  F*=KEP(T$,1,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4210 FOR I=1 TO 9
4220 T#=SEB(I*+L(
4230 P#=KEP(T*+L(
                                                                                                                                                                                                                                                                                                                                                                                                4110 FRINT @U41F4
4120 CI=1
4130 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4280 FRINT BUAIPS
4290 RETURN
                                                                                          3210 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4240 NEXT
                                                                                                                                                                                                                                                                      P.S=198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4150 P$=E$
                                                                                                                                                                                                                                       4020 REH
                                                                                                                                                                                                                                                                                                                                                  4090
4090
4100
                                                                                                                                                                                                                                                                                                                   4060
                                                              +++1++
                                                                                            +++1++
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                                                                                                                                                                                                                                                                                                                                                                                                   +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          +++1+++
```

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DIH 14(2), D$(2), H$(2), H$(2), K$(40), P$(80), R$(70), T$(2)
Print *
                                                                                                                                                                                                                                                                                                                                               FRINT *JMAKE SURE UNIT IS ON AND IS AT OPERATING TEMPERATURE*
FRINT *JJENTEK UNIT NUMBER YOU ARE USING FOR THE, DATA TAPE *
                                                              STEARNS-ROBER, INC.
M. R. HERBERT/M. E. MARTIN
PRINT PROGRAH FOR DATA SHEET #10
BLDG 1611 RECEIPT INSPECTION DATA
VEKSION 8 - 06/09/81
                                                                                                                                                                                                                                                  . JEG YOU WANT TO USE THE HARD COFIER?
                                                                                                                                                                       FRINT "BLEG 1611 RECEIPT INSFECTION DATA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOO KEM *** FORMAT DETAIL LINE AND PRINT ***
                                                                                                                                                                                                    REM "JREMOVE PROGRÁMMED TAPE FROM UNIT"
                                                                                                                                                                                                                                    *INSERT DATA TAPE IN UNIT 4924*
                                                                                                                                                                                                                                                                 *ENTER (Y OR N) . 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T$<>*10* THEN 1200
                                                                                                                                                                                                                                                                                                                                A$<>*Y* THEN 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1=1 THEN 1110
T @U,131R$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1F JF=fi4 THEN 570
COSUR 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                U=33 THEN 489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (1/81/43)935=$N 6/4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PS=KEP(U4-1-1)
U*=SEB(K*-19-3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4U, 6: T1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              093 61 09
 100 NEM ****
110 REM
120 REM
130 REM
140 REM
150 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          F-1-1551
                                                                                                                                                                                                                                      FRINT
                                                                                                                           PAGE
                                                                                                                                                                                                      210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          570
                                                                                                            091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       300
                                                                                                                                                                                                                                                                    240
                                                                                                                                                                                                                                                                                                                                                                                                                          340
                                                                                                                                                                                                                                                                                                                                                                                                                                         550
                                                                                                                                                                                                                                                                                                                                                                                                                                                        360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               +++1+++
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COHHENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1600 FRINT BAI USING "52A,5A,2D";"DAY MO YR","PAGE",P
1910 FRINT BA; USING "1X,3A,3A,36A,14A,2A";D$,H$,Y$,"COMPUTER PAGE"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                980 FRINT GA: USING '16X,28A'': BLDG 1611 RECEIPT INSPECTION'
990 FRINT GA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RETURNED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1039 FRINT EA: USING '2X,31A':'SERIAL 1040 FRINT EA: USING 1050:'NUMBER', 'DESTROYED 1050 IMAGE 2X,11A,31A
                                                                                                                                                                                                           820 REM *** HEADING SUB-ROUTINE ***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1100 REM NAM SET EDF INDICATOR ###
                                                                                                                                                                                                                                                                                                                                                                              930 1F A4C>*Y* THEN 1090
940 FAGE
950 A=32
966 GGSUB 980
970 GG TO 1090
                                                                                                                                                                                                                                                                                850 IF 84=J$ THEN 890
              U1=SEG(K1,28,43)
F1=KEP(U1,37,43)
                                          IF LCH THEN 770
700 P1=KEP(U1,29,1)
                                                                                                                                                                                                                                       040 M*=SEG(R*,16,2)
040 M*=SEG(R*,14,2)
050 D*=SEG(R*,12,2)
                                                                                                 FRINT @41:P$
                                                                                                                          FRINT 032:PS
                                                                                                                                                                                                                                                                                                                                                         910 FKINT BAI'L' 920 GOSUB 980
                                                                    GOSUR 1140
                                                                                                                                         L=L+1
.60 TO 450
                                                                                  G05UB 820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1010 FRINT
1020 FRINT
1030 FRINT
1040 FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1090 RETURN
                                                                                                                                                                                                                                                                                                               $1° = 18
                                                                                                                                                                                                                                                                                                                           890 F=F+1
                                                                                                                                                                                                                                                                                                                                        900 A=41
                                                                                                                                                                                                                                                                                              870 F=0
600 B#=J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4-1 0/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1080
              720
730
740
750
750
770
770
                                                                                                                                       000
                                                                                +++1+++
                                                                                             +++1+++
                                                                                                                                       +++1++
                                                                                                                                                                                                                                                                                                                            +++1++
```

1F 14<>*1* THEN 710

14=SEG(K\$,6,1)

P\$=KEP(U\$,3,3)

650 1F 15<>11 THEN 27 US = 570 US = 57G (RS, 26.1) 400 FS = 76G (RS, 10.4) 690 US = 56G (RS, 27.1)

1110 E=1

1120 KEN ### PRINT HARD COPY ###

1130 IF A\$<>*Y* THEN 1250

--1--- 1140 PRINT 032.2613
1150 NOVE 0.0
1160 FRINT
1150 NOVE 0.0
1170 FRINT
1190 KETURN
1190 KETURN
1210 FRINT "KECOKB TYPE: 114
1220 FRINT "BATA IS NOT "BLBG 1611 RECEIPT INSPECTION" DATA:
1230 FRINT "### ANNORMAL FRUGRAM END ###*
1240 GO 10 1260
+++2+++ 1250 FRINT "1*** NORMAL END OF PRUGRAM ###*
1260 END

STATE OF THE PARTY OF THE PARTY

and the state of t

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279 FRINT "LAMAKE SURE UWIT IS OM AND IS AT OPERATING TEMPERATURE
280 Frint "Lewier Unii Number You are using for the daia tape" •
                                                                                                                         150 LIM 84(2).D4(2).M4(2).Y4(2).R4(70).P4(40).J4(2).K4(30)
160 FKINI PROCESS DATA SHEET - DISASSEMBLY ROOM"
                                                                                                                                                                                                                                              190 FRINT "INSERT DATA TAPE IN UNIT 4924"
200 FRINT "JDO YOU WAN" TO USE THE HARD COPIERT".
100 REM #### PRINT PROGRAM FOR DATA SHEET #11
110 REM ### FKOCESS DATA FROM DISASSEMBLY ROOM
120 REM #### VEKSION 7 - 3/12/81
                                                                                                                                                                                                      190 KEM "JKEHOVE PROGRAMMED TAPE FROM UNIT"
                                                                                                                                                                                                                                                                                      210 FRINT FINTER IY OR M) . 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EGCK $14.2)
$4.711 FREN 1090.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        630 IF AB . 'Y' INER 650
                                                                                                                                                                                                                                                                                                                                                                      250 IF A&SST THEN 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           40 UN EDF (0) THEN 990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       J1-F4 THEN 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               U=33 THEN 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     F 11-1 THEN 990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               U-23 FIEN 440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1-1 THEN 990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 UB-5EG-EB124147)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     53 FESTIVE (111, 111, 47)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1016014 YES 11 48 6 /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         573 IF L # THER 620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SETT RULLDIKE
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                                                                                   INI OEI
                                                                                                       140 FAGE
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BLO PEINT BAT USING "10X+40A+5A+2D+1*PROCESS DATA SHEET***PAGE**)
BLO FRINT BAT USING BZO1"DISASSENBLY ROOM*, "COMPUTER PAGE*, J\$ 9A: USING "3X-19A-11A":"DAY HO YR","TYPE OF BET-eA: USING 910:EB:HB:YB,GB,"-",HB 4X-2A-3A-15A-1A-1A-3A EVENT/ACTION TAKEN' 670 REM 484 HEADING SUB-ROUTING ### 990 ICH SEE SET EOF INDICATOR SEE 1010 KEM TIR FRINT HARD COPY BER 1670 IF ALC: YT THEN 1070 11X,30A,14A,2A IF ALCHY THEN 980 SAL STATION. GA: * NUMBER 1F EL-J4 THEN 760 1576 :F Est 1188# 1140 Y\$=SEG(K4,16,2) H\$=SEG(K4,14,2) Pt=SEG(Ft+12,2) Ci-SEG(K*, 19,1) 0:92:616 16181,699 H\$= 5£6(Kt, 19,3) 6.0 1 KPU 022,2513 FRINT GA: "L. 0028 80500 00 10 980 660 GO TO 410 S05UB 850 Crc John Ct. FRINI GA: 970 ESHBN JA221 6076 MURLL DW GRE 650 Lat +1 68-JS 39541 THIEF FRINI INACE PEING 1+3-3 THIAT COU 1111111 AGE A+ 52 F-41 1:3 0001 F-3 522 630 690 700 75.0 0.53 6.20 8.50 8.40 76.0 303 7:50 013 070 +++11++ ---2---+++1+++ ------

540 FRINT 832:F8

. +++1++ 1090 REM ### EKKOR - WRONG TYPE RECORD ###

TOTAL STREET, AND STREET, STRE

*RECURD TYPE: *11%
- "GATA IS NGT **FROCESS DATA SHEET-DIBASBEMBLY ROOM** DATA**
**** ABHUKNAL END OF PROGRAM **** 1100 FEINT 1110 PEINT 1120 FRINT 1130 GO TO

JASE NOKHAL END OF PROGRAM ESS. +++1+++

```
DIM M4(2), D8(2), M6(2), M6(2), P8(25), R6(31), J8(2), T8(2), K6(25)
FEINE
                                                                                                                                                                                                                                                                                                                                                                       270 FKINT "LHAKE SURE UNIT IS ON AND IS AT OPERATING TEMPERATUR
200 FKINT "LENIER UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
                                                                                                                                            170 FRIBT *PROCESS DATA SHEET - DECONNED PIG CONTROL*
PRINT PROGRAM FOR DATA SHEET #12
PROCESS DATA FROM RESIDUE AREA (PIGS)
                                                                                                                                                                                                                       *INSERT DATA TAPE IN UNIT 4924*

LUG YOU WANT TO USE THE HARD COPIERT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5.50 REH *** FORMAT DETAIL LINE AND PRINT ###
                                                                                                                                                                                 1110 REH "JNEHOVE PROGRAHMED TAPE FROM UNIT"
                                                                                                                                                                                                                                                           *ENTER (Y UR N) . !
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  112* THEN 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ON EDF (0) THEN 1100
                                                                                                                                                                                                                                                                                                                                    IF A$<>*Y* THEN 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF 84<>" . THEN 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TI=1 THEN 1100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-1 THEN 1100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           USER THEN 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         U=33 THEN 390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     * U=33 THEN 430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          U$ = 5,F G (K$ + 1B+1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               U1=SEG(R4+19+3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     660 Ft≥8EF(U1.11.4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFUL COLLISTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RPUT EU. 1318$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              J$=SFG(K4,8,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15=SEG(R$,4,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFUT PU.6:T1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GUSUR 1120
                                                                                                                                                                                                                                                                                                                   DIN ASCI)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GO TO 520
 REM WERK
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                                                                                                                                                                                                                                                                                 INFUT AS
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                                                                                              FAGE
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960 IMAGE 3X:184:18X:58:20
970 FILMT PA: USING 980: RESIDUE AREA., COMFUTER PAGE., J$
900 IMAGE AX:12A:12X:14A:2A
990 FRINT BA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   950 FRINT BA: USING 960: PROCESS DATA SHEET., PAGE., P
960 IMAGE 3X, 18A, 18X, 5A, 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SKID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1000 FRINT WA: USING "7X,9A:1"DAY HO YR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BALT DECONNED PIG CONTROL.
                                                                                                                                                                                                                     790 REM ### HEADING SUB-ROUTINE ###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PATTRIG CONTROL NUMBER
V4-SEG(U4.1.1)
IF U4<-*0* THEN 680
                                                                                                                                                                                                                                                                                                                                                                   IF A$<>*Y* THEN 1690
                                                                                                                                     750 IF A$<>>Y* THEN 770 750 FRINT @321P$
                                                                                       IF A4<>*Y* THEN 730
GUSUR 1240
                                                                                                                                                                                                                                                                                  IF R$=J$ THEN 860
                                                    F*-KEF(U$,22,4)
X*-SEG(K$,30,2)
IF LAM THEN 740
                               US=KEP(US, I.1)
                                                                                                                                                                                                                                                         H4=SEG(K4,14,2)
D4=SEG(K4,12,2)
                                                                                                                                                                                                                                            Y$=SE0(R$,16,2)
                                                                                                                            FRINI GALIPS
                                                                                                                                                                                                                                                                                                                                             FRINT BA1"L. 605UB 950
                                                                                                                                                                                                                                                                                                                                                                                           A-32
GOSUB 950
CO TO 1090
                                                                                                                GUSTIF 790
                                                                                                                                                             7/0 L=L+1
780 GD TD 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1680 RETURN-
1920 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1020 PRINT
1030 PRINT
                                           MEXT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1040 FRINI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1650 FRIHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LEINI
                                                                                                                                                                                                                                                                                                          $[=1:]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <u>...1</u>
                                                                                                                                                                                                                                                                                                                     F=F+1
                                                                                                                                                                                                                                                                                                                                                                             910 FAGE
920 A-32
930 GOSUB
930 GO TO
                                                                                                                                                                                                                                                                                                                                  A=41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10/01
                                                                                                                                                                                                                                                                                                       620
                                                                                        027
027
037
040
027
027
                                                                                                                                                                                                                                             600
                               560
                                                     087
                                                                  9659
                                                                                                                                                                                                                                                        810
820
                                                                                                                                                                                                                                                                                 830
                                                                                                                                                                                                                                                                                            043
                                                                                                                                                                                                                                                                                                                    860
                                                                                                                                                                                                                                                                                                                                B70
                                                                                                                                                                                                                                                                                                                                             030
                                                                                                                                                                                                                                                                                                                                                        063
                                                                                                                                                                                                                                                                                                                                                                   900
                  650
                                                                              305
                                                     +++7+++
                                                                                                                                                                                                                                                                                                                    1111111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1112111
                                                                                                                                                             +++1++
                                                                                                               1111++
                                                                                                                          +++1++
                                                                                                                                                                                                                     ---3---
                                                                                                                                                                                                                                                                                                                                                                                                                                                    ---2---
```

620 FUR IN1 TO 3

1100 RCH *** SET EOF INDICATOR ***

...3-..

1110 E=1

*RECORD TYFE: *#T*
*DATA 19 NOT **PROCESS DATA SHEET-DECONNED PIG CONTROL***
**** ABNOKHAL PROGRAH END **** 1120 REH ### PRINT LAST LINE OF DATA BREET 1320 REH ### EKROR - WRONG RECORD TYPE ### 1380 FASE 1390 FRINT **** NORHAL END OF PROGRAM **** 1460 END 1220 KEH *** PRINT HARD COPY ### X*=KEF(U\$,1,1) 24±*10fal PiGS DECONNED! FRINT 0411 1230 IF A\$<>*Y* THEN 1300 IF U\$<>*0* THEN 1190 1200 FEINT @32,2610 1300 IF E=1 THEN 1390 1310 RETURN LCH THEN 1150 1200 FRINT 0411 1210 FRINT 0411Z81X V4=SEG(X4,1,1) 1250 FRINT 032,2613 1270 HOUE 0:0 1240 PRINT 1250 PRINT ZSIXS 603UE 790 200 FRINT 540 FRINT 717 330 FAGE 1130 0511 +++1+++ ++++++ +++1++

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IF A*<>**Y* THEN 260
PRINT *JMANE GURE UNIT IS ON AND IS AT OPERATING TEMPERATURE*
PRINT *JENTER UNIT NUMBER YOU ARE USING FOR THE DATA TAPE, *$
                                                                                        FRINT . FROGRAM TO PRINT.
                                                                                                                      170 FKINT *FROCESS DATA SHEET - FURNACE RESIDUE CONTROL*
REM #### FRINT FROGRAM FOR DATA SHEET #13.
REM #### PROCESS DATA FROM RESIDUE AREA (DRUMS)
REM #### VEKSION 7 - 2/12/81
                                                                                                                                                                                  JINSERT DATA TAPE IN UNIT 4924*

JIN YOU WANT TO USE THE HARD COPIERT
                                                                                                                                                    180 KEM "JKEHOVE PROGRAMMED TAPE FROM UNIT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOTAL DRUMS FURNACE RESIDUE!
                                                                                                                                                                                                                                                                                                                                                                                                                                                   IIS=*FURNACE RESIDUE CONTROL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (FOUNDS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WEIGHT.
                                                                                                                                                                                                                                                                                                                                                                                                  PRUCESS DATA SHEET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DRUM.
                                                                                                                                                                                                              FRINT SENTER OF OR NO . 1
                                                                                                                                                                                                                                                                                                                                                                                                                     RESIDUE AREA.
DAY HO YR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              [6=SFB(R4,4,2)
IF 16<>*13* THEN:1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ON EDF (0) THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF B4C> . THEN 560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF 11=1 THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11=1 THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JA-EN THEN 590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            U=33 THEN A50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      U=33 THEN 490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N#= DRUM NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         U$=SCG(R$,19,4)
F$=REP(U$,6,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            U$=9E6(R$,18,1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFUT GU, 13184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFUR GUALISTRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FE-EFF(U1,4,1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 J$=$E6(K4,8,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFUT CU. 6:T1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFUT QUAS: F1
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                                                                              FAGE
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                                                                                                                                                                                                                                                                                         +++1+++
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1050 BEH *** PRINT LAST LINE OF DATA SHEET ** 770 KEM *** HEADING SUB-ROUTINE *** 1040 REM *** SET EOF INDICATOR *** 1070 Ut=SEG(X1,11) 1000 IF Ut<>>0* THEN 1110 1070 Ut=** IF U\$<>*O* THEN 710 IF ALCHIVE THEN- 1030 PRINT @411P\$
1F A4<>*Y* THEN 460 640 Us=SEG(R\$,23,3) V\$=SEG(U\$,I,1) U\$=REP(U\$, I,1) X\$=SEG(R\$,26,2) H\$#SEG(K\$,14,2) D\$=SEG(R\$,12,2) P*=REP(U\$, 18,3) Y\$=5EG(R\$,16,2) FOR 1=1 TO 2 FRINT GA: "L @A:6\$ OCO FRINT PAIN 605UB 900 60 TO 1030 GO TO 460 FRINT BA GUSUB 900 . .=\$0 030 KETURN RETURN NEXT I 890 FRINT PAGE A=32 1050 E=1 730 810 060 570 530 690 200 710 50 780 600 030 840 020 090 67.0 650

```
1100 X$=REP(V$.1.1)

+++++++ 110 PKLIT 041:
1120 FKLIT 041:
1130 IF A$<>*Y* THEN 120.
1140 FKLIT 04:X$

1150 FKLNT 03:X$

1150 FKLNT 1270

1210 FKLNT *** EKBR - WRONG RECORD TYPE ***

1230 FKLNT *** ABNURNAL PROGRAM $ND ****

1250 FKLNT *** ABNURNAL PROGRAM $ND ****

1250 FKLNT **** NORMAL END OF PROGRAM ****

1250 FKLNT **** NORMAL END OF PROGRAM ****

1250 FKLNT ***** NORMAL END OF PROGRAM ****

1250 FKLNT ***** NORMAL END OF PROGRAM *****
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FRINT "JMAKE SURE UNIT IS ON AND IS AT OPERATING TEMPERATURE" FRINT "JENTER UNIT NUMBER YOU ARE USING FOR THE DATA TAPE "
                                                                                                  150 DIM B$(2),D$(2),J$(2),K$(34),M$(2),F$(34),R$(27),T$(2),X$(2)
150 FRINT **
170 FRINT **FROCESS DATA SHEET - SPRAY DRYER**
                                                                                                                                                                                                     FRINT *INSERT DATA TAPE IN UNIT 4924*
FRINT *JUG YOU WANT TO USE THE HARD COPIER? *
FRINT *ENTER (Y OR N) *)
100 REM *** FRINT PROGRAM FOR DATA SHEET.#14
110 KEM *** PROCESS DATA - SPRAY DRYER
120 REM **** VERSION 7 - 3/12/81
                                                                                                                                                                 180 REM *JREHOVE PROGRAMMED TAPE FROM UNIT*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               340 H5=*SPRAY DRIED SALT CONTROL
                                                                                                                                                                                                                                                                                                                                                                                                                                                PROCESS DATA SHEET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOTAL DRUMS SALT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SPRAY DRYER"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DAY MO YR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             150-14 THEN 1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ON EDF (0) THEN 1050
                                                                                                                                                                                                                                                                                        IF AKSYY THEN 260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF BICO . THEN 560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     T1=1 THEN 1050
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     U=33 THEN 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        U=33 THEN 490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N$=* DRUM NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   000 US-366(R3+18+1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      UI=SEG(KI,19,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NFUT RU, 13:R4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   F1=KEP(U1,6,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NFUT @U.6:T1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            75=SEG(R$,4,2)
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                                                                                                                                                                                                                                                                        DIM A$(1)
                                                                                                                                                                                                                                                                                                                                                           INE PULS
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                                                                   JINI OE.
                                                                                   40 FAGE
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1950 REM *** PRINT LAST LINE OF DATA SHEET ***
                                                                                                                                                                             770 FEM *** HEADING SUB-ROUTINE ***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1040 KEM *** SET EDF INDICATOR ***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1020 V4=SEG(X+1-1)
1980 IF V4<>-0 THEN 1110
1690 Vt=-
          FOR 1=1 TO 2
Vs=SEG(Us,1,1)
IF V&<>*0* THEN 710
                                                                                                                                                                                                                                                                     840 GOSUB 900 .
850 IF A&<>*Y* THEN 1030
                                                                                                                                                                                                                                                                                                                                                              969 FRINT BAIESTJS
910 FRINT BAIFS
920 FRINT BAIGS
940 FRINT BAIGS
950 FRINT BAI
640 U4=SE0(R4,23,3)
                                                                                                                                                                                                   780 Y4=SEG(R4,16,2)
790 M4=SEG(R4,14,2)
                                                                                                                                                                                                                           [14=SEG(K*,12,2)
                                                                                                                      750 FRINT 832:P8
760 60 T0 460
                                                                                                                                                                                                                                                          030 FRINT BAI'L'
                                                                                                                                                                                                                                                                                                                                                                                                                                                         €1:V∂
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  990 FRINT BA:L:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1000 FRINT BAIN
1010 FRINT BAI
                                                                                                                                                                                                                                                                                                                              890 00 10 1030
                                                                                                                                                                                                                                                                                                                   880 GUSUB 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1020 RETURN
1030 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                            920 FRINT (
                                                                                                                                                                                                                                      $F=$3
                                                                                                                                                                                                                                                  A=41
                                                                                                                                                                                                                                                                                              860 PAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1050 E=1
                                                                                                                                                                                                                                     820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        +++5+++
                                                                             +++1++
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*RECOND TYPE: *174
"DATA IS NOT "*SPRAY DRYER"* DATA"
*** ABHORMAL PROGRAM END ###" 200 FRINT *** NORMAL END OF PROGRAM *** 1220 REH *** ERROR - WRONG RECORD TYPE ##1 IF A C> Y* THEN 1200. 1190 FRINT @32,2610 1200 IF E=1 THEN 1270 1210 RETURN 120 FRINT 84110\$1X\$ 1100 X\$=KEP(U\$,1,1) FRINT 832,2613 PRINT 031X\$ MOVE 0,0 FRINT FRINI 270 PAGE +++1+++ +++1++ +++1++ +++1++

```
IF A*<>*Y* THEN 260
FRINT "JHANE SURE UNIT IS ON AND IB AT OPERATING TEMPERATURE"
FRINT "JENIER UNIT NUMBER YOU ARE USING FOR THE DATA TAPE **
                                                                                                         DIM B$(2), D$(2), D$(2), J$(2), K$(34), M$(2), P$(34), R$(27), T$(2), X$(2), FRIMI
                                                                                                                                       PRINT *PROCESS DATA SHEET - ELECTROSTATIC PRECIPITATOR*
                  REM *** FROCESS DATA - ELECTROSTATIC PRECIPITATOR
                                                                                                                                                                                                           *INSERT DATA TAFE IN UNIT 4924*
*JDG YOU WANT TO USE THE HARD COPIBRT
*FNIER (Y OK N) *;
REM ### PRINT PROGRAM FOR DATA SHEET #15
                                                                                                                                                                         180 KEM "JKEHOVE PROGRAHMED TAPE FROM UNIT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F*="ELECTRUSTATIC"PRECIPITATOR*
U$="
                                      REM *** VERSION 7 -3/12/81
                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROCESS DATA SHEET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EP WASTE CONTROL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOTAL DRUMS WAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                **SEG(R*,4,2)
F T$<>*15* THEN 1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ON EUF (0) THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  THEN 560
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U=33 THEN 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         U=33 THEN 490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N*** DRUM NUMBER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              U#=SEG(R$,19,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NFUT QU, 13:R&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 J$=5EG(K$,0,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P$=REP(U$,4,1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NFUT GU, 6:T1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HFUT QUASITI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               F8:: REP (US, 6, 4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GUSUR 1060
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                                                                                                                                                                                                                                                                                  DIN ASCL)
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                                                                                                                         FRINT
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920 FF INF BAIG\$
930 FFINE BAIG\$
940 FFINE BAI USING "BX.3(3A)":D\$.N\$.Y\$
950 FFINE BAI 770 KEM *** HEADING SUB-ROUTINE *** 1040 KEM 118 SET EOF INDICATOR 188 5 FOK 141 TO 2 5 V\$ = SEG(U\$, 1.1) 6 IF V\$<>0 THEN 710 10 V\$ = 1 FEEEF(US.18.3) X*-SEG(15.26.2) FRIM @411P4 1 FARM #40 IF AS<> Y* THEN 1030 US-REP(US.I.1) 780 Y8+SEG(K%,16,2) 740 M8+SEG(K%,14,2) 800 B8-SEG(K%,12,2) 900 FEINT BATEREUS 750 FRINT #321F# 750 GO TO 460 820 A=41 030 FRINT BA:-L" 050 FAGE 070 A-32 880 G050B 900 070 G0 T0 1030 PECHINI BALLS 970 FRINT GATUS NIOSO PRINT GAIN 1010 FRINT WA 840 G0SUB 900 920 FRINT AAS 1020 RETURN 10 JO NE TUKH MEXT I 810 Ht=18 240 020 750 660 670 560 9,0 067 ++111++ ---

540 U\$-SEG(K\$12313)

609

1020 [+1 ---2---

I'CO KE'S BER SKINT LAST LINE OF DATA SHEET BEB

1679 08-5F6(44-1-F) 1690 1F 0462-0* THEN 1ETO 1690 54-**

1230 FRINT "RECORD TYPE: "178
1240 FRINT "6ATA IS NOT ""ELECTROSTATIC PRECIPITATOR"" DATA 1220 KEH 488 ERRUR - WRONG RECORD TYPE 848 1250 FHINT *** NORMAL END OF PROGRAM **** (F A4 () *Y* THEN 1200 1170 FRINT 032,2610 1200 IF E-1 THEN 1270 441:011X XS- KEP (US-11-1) 1140 PKINI 1150 PKINI DSIX\$ 1150 PKINI B3212613 1170 HOVE 0.0 1210 KLTUKH FAGE 1100 1270 1111111 ++++++ +++1++

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FIR P(24.2).Pk(370).B(59.2).Dk(840).R(40.2).Rk(290).Bk(126)
DIM S(37.2).Sk(320).T(14.2).Tk(190).B(40.2).Uk(90).Lk(132).Mk(101)
650 PRINT " 2 - NAMES CORRESPONDING TO DOWNTHE KEYB*
                                                          2444
                                             STEARNS-ROBER. INC.
N. R. HEREERI/M. E. MARTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6.0 FERRI * DO YOU WANT TO LISTR* 6.0 FERRI * 1 - FOUNTIRE BATA*
                                                                                                                                                                                                                                  500 FOR 1=1 TO 15
                                                                                                                                                                                                                                                                                                             370 FUR I 1 10 5
                                                                                                                                                                                                                                                                                                                                                                          430 FFAD S1
440 FOR 1=1 TO 3
450 KEAD Y8
                                                                                                                                                        FUK 1=1 TO
                                                                                                                                                                                                                                                        441 $0-10
                                                                                                                                                                                                                                                                                                                                    F18-1.51Y$
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TIME * . * PRIMARY & SECONDARY * . * CORRECTIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USING 1060: COMPONENTS., DESCRIPTIVE., FAILURE
                                                                                                                                       FRINT "JINSERT DATA TAFE IN UNIT 4924"
FRINT "ENTER UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                          841: USING *52X,27A*1*ID SETS PLANT DOWNTIME DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USING *414,5'1'START STOP SIN BUBSYSTEM*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1000 FRIHT 841: USING "55X, 30A": "NO PLANT DOWNTIME DATA"
                 470 IF A=2 THEN 1900
480 IF A=1 THEN 210
690 FKINI 'INVALID RESPONSE - ENTER 1 OR 2 * 1
                                                                                                  710 KEM *JKEHOVE PROGRAHMED TAPE FROM UNIT*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 900 PRINT 8411 USING - 62X,3(3A) - 1AS, BS, CS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PAIL USING . 61X, 9A. 1 . DAY HO YR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EFFECT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         @41; USING 1030:"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     980 1F A4-3:40* THEN 1020
                                                                                                                                                                                                                                                                                                                                                                                                         16* THEN 1870
                                                                                                                                                                                                                          UN EUF (0) THEN 1850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 111-33 THEN 1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            36A. 59A, 10A
                                                                                                                                                                                                                                             IF 111+33 THEN 810
                                                                                                                                                                                                                                                                               11-1 THEN 1850
                                                                                                                                                                                                                                                                                                                     THEN B50
                                                                                                                                                                                                                                                                                                                                                       THEN 1850
                                                                                                                                                                                                                                                                                                  INFUT BUILLIB: HS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-5EG(M118,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .6 (Ht, 22,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFUL BULLSTI
                                                                                                                                                                                                                                                                 HEUF GUI.6:TI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Et = St G (Mt , 14,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EG(M4,12,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . S. F E! (A$r.114)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -1.1.1 (A$+7+4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   970 68-SEG(M$, 6,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       990 FRINT 641:.
                                                                                                                                                                                         750 FIND PULL
                                                                200 60 10 660
                                                                                                                                                                        INFUT UI
660 INPUT A
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230 L1-KEP(611311)

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1640 SEH *** FURHAT EFFECT ON OPERATION ***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1530 REM *** TURNAT CORRECTIVE ACTION ***
                                                                                                                                                                      1320 REH 444 FORHAT FRIMARY CONP ##1
                                                                                                                                                                                                                                                                                          1370 REM ### FORMAT' DESCRIPTIVE ###
1240 REM ### FORMAT SUBSYSTEM ###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IF 1×>1 AND I<=36 THEN 1510
IF I<>>9 THEN 1540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF I #>1 AND I C#14 THEN 1620
IF I <>98 THEN 1600
                                                                                                                                                                                                                                                                                                                                                             I=>1 AND I<=39 THEN 1430
                                                             IF I >> 1 AND I <= 25 THEN 1300 IF I <> 99 THEN 1330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1450 REH ### FORMAT FAILURE ###
                                                                                                                                                                                                                                        B$=SEG(B$,Q(I,1),Q(I,2)) .
L$=REF(B$;37,Q(I,2))
                                                                                                                 #*#SEG(F*,P(I,1),P(I,2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1/89 5$*SEB(U4.U(1,1)+U(1,2))
1099 L1+KEP(U4,115+U(1,2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1510 B4=SEG(S$,S(I,1),S/I,2))
1520 L4=KEP(B$,77,S(I,2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   B4=SEG(Tt.T(I.1),T(I.2))
                                                                                                                                                                                                                                                                                                                                                                                                              84=SEG(K$,R(['1]),R(I,2))
L$=KEP(B$,58;K(I,2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1570 IF IST OR 175 THER 1700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    L1-KEP(81,96,T(1,2))
                                                                                                                                       1310 L4=REF(B$,16.P(I,2))
                                                                                                                                                                                                                                                                                                                                                                              IF I <>99 THEN 1460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IF 14599 THEN 1650
                                                                                                                                                                                                                                                                                                                              A$=5E0(H$,33,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A$--5EG(H$,35,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1540 At=SEG(H1,37,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1659 ASSECTIONS 179.2)
                                                                                                                                                                                                      A$ # SEG (#$, 29,2)
                              A$=SEG(H$,27,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1590 60 10 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            I=VAL (A$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1659 T-98t (51)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (=VAL (A1)
                                                                                                                                                                                                                        I-UAL (AE)
                                                                                                                                                                                                                                                                                                                                               "VAL (A1)
                                                    EVAL (A$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1-16
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                                1250
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                                                                                                                      +++1++
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1700 REM 444 PRINT DETAIL LINE 444

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COMMENT: .. B.
                                                                                                                                                                                                                                                                                                                                             *** ABNOKHAL PROGRAM END ****
                                                                                                                                                                                                                                                                                                                **** NORMAL END OF PROGRAH ###"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               441: "LINESCRIPTIVE ACTIONAL"
                         1720 KEM ### PRINT SECONDARY COMP ###
                                                                                                           1760 HT=SEG(01,0(1,1),0(1,2))
1770 FKINF @41: USING "36X,20A":B0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2136 PEINT BAITTEALURE MODESJJ*
2199 FOK I=1 10 36
2109 XE-SEG(54,S(1,1),S(1,2))
                                                                                                                                                                                                                                               FRINT @41: USING "17A, 57A"1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2140 X*=SEG(R$,R(40,1),R(40,2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X*=SEG(F*,P(26,1),P(26,2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KINT 041:1.COMPONENTS....

UK I-1 10 99

X*=SEG(0+,0(I,1),0(I,2))

FRINT 041:1:X*
                                                                                                                                                     1780 REM ### PRINT COMMENT ###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X*-SEG(RE,R(I,1),R(I,2))
                                                                                                                                                                                                                                                                                                                                                                                           Q41: 'LSUBSYSTEHSJJ'
                                                                                                                                                                                                                                                                                                                                                                                                                           X4=SEG(P4,P(I+1),P(1,2))
                                                                                                                                                                                                                      . THEN 1100
                                                                          IF A1= 00 THEN 1790
                                                                                                                                                                                 1790 Bt=SEG(M4,45,57)
                                                         A1=SEG(H1,31,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KINT Q41:1.X$
                                                                                                                                                                                                                                                                                                                                                                                                                                            KINT 641:11.X$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TIGO FRINT PALIFIXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KINI E41:I,X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KINT Q41:I.X
                                                                                                                                                                                                   C$=SEG(1411,5)
                                                                                                                                                                                                                                                                                                                                                                                                              910 FOR I=1 TO 25
1710 FRINT #411LS
                                                                                                                                                                                                                                    FRINT EALS
                                                                                                                                                                                                                                                                 1840 GO 10 1100
                                                                                                                                                                                                                                                                                                                                                                               60 10 2500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FINT G41:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FKINT 0411
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FLETE X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SIZO DELETE X$
                                                                                           1=UAL (A1)
                                                                                                                                                                                                                                                                                                                USO PRINT
                                                                                                                                                                                                                                                                                                                                                                FRIN
                                                                                                                                                                                                                                                                                                                                                                                               FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRINT
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                                                                                                                                                                                                                                                   1830
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                                                                                                                                                                                                                                                                                                                                             +++1++
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Here Salary

Particular Control

Section of the

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              *EMERGENCY POWER-QUENCH-SPRAY DRYER-RECEIVING & HANDLING--*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 *GLOVE BOX-DECON HODULE-BOX FEED-RESIDUE HANDLING*
*SET HOVEHENI(1SY)-ENVIRO HONITORING-:----ADMINISTRATIVE*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          *FIKE FRUTECTION-HVAC-ELECTROSTATIC PRÉCIP----SCRUBBER8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1,18,20,11,32,13,45,20,66,8,75,13,89,5,94,15,110,4,115,20
142,9,151,12,164,13,178,13,192,12,204,15,220,6,227,11
239,20,261,9,271,12,284,8,293,16,309,17,327,17,352,14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  261,11,273,10,284,8,293,4,298,6,305,8,313,11,325,12,330,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             *CONTROL ROOM-DEACT FURNACE-DECON FURNACE-AFTER BURNER*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      343.5.349.4.154.6.361.4.365.4.376.5.376.5.382.10.393.14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1,15,17,5,13,4,28,5,34,4,39,4,44,44,5,50,13,50,13,54,7,7,72,8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01,14,96,5,102,7,109,4,114,15,130,6,137,6,144,6,151,10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1000,6,415,6,421,5,427,6,434,4,439,4,444,6,451,4,456,4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                101.12.174.6.181.10.192.19.211.19.231.19.251.5.257.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      *STEAM AND CONDENSATE-FUEL OIL-PROCESS WASTE-DOORS*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  525-8-534-6-541-9-551-6-550-10-569-5-574-20-596-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       610,10,621,8,629,15,645,1,647,5,653,8,662,14,677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   *POWER DISTRIBUTION-SERVICE AIR-POTABLE WATER*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                461,6,468,6,474,8,483,20,507,7,515,6,522,3
                                                                                                                                                                                                                                                                           0411 *LEFFECT ON OPERATIONAL
                 FRINT GALL-LCORRECTIVE ACTIONAL
                                                                                                                                                                        X4:SEG(T4,T(I,1),T(I,2))
                                                                                                                                                                                                                                                                                                                  X5=SEC(U$,U(I,1),U(1,2))
                                                        X5=SEG(T$+T(I+1)+T(I+2))
                                                                              FRINT @41:I.X$
                                                                                                                                                                                                                 FRINT 0411K.X$
                                                                                                                                                                                                                                                                                                                                    FRINT 841:11.X$
                                                                                                                                                        60 TELS 10 16
                                     FOR 1-1 TO 14
                                                                                                                                                                                                                                                                                             FUR I=1 10 6.
                                                                                                                                                                                                                                    JELETE X
                                                                                               DELETE X1
                                                                                                                                      FRINT 6411
                                                                                                                                                                                                                                                                                                                                                       DELETE XI
WELETE X
                                                                                                                                                                                             N=1+83
                                                                                                                                                                                                                                                                             FRINT
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2250 X*=SEG(S*,8(37,1),5(37,2))

2240 FRINT 8411

@41:I,X\$

PRINT

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- DESCRIPTIOE RESERVERSERVERSER 首首书本本本本本本本本本 S AKRAY (37.2) 非非本种基本建筑等非常非常非常非常非常非常非常非常非常非常非常非 水水水水水水水水水水水 K ARRAY (40.2) 水水水水水水水水水水水水水水水水水水水水水水水水水水水水 ********* S\$ ARRAY (320) - FAILURE MODES ################# *BROKEN-OUT OF ADJUSTMENT-FLAMEOUT-OFF-ON-LOOSE-AIR IN LINE* 602.7.690.7.698.20.719.8.728.3.731.5.737.5.743.7.751.8.760.6 205,6,212,9,222,8,231,6,238,8,247,5,252,7,240,7,248,8,277,5 *MISSING-NOT READY-WAITING-BURNED-LEAK-MADE-NOT MADE-BENT* *KACK-HOIST-CAMLE-BLOCK/HOOK-LIFTING DEVICE-PALLET-BURNER *HEAT EXCHANGE/COOLER--CONTROL PANEL-TV HONITOR-CART TOP*
CIRCUIT DREANER- -LIGHT-HIRAN 80-BUBBLER/FILTER-TABLE STOCK *ACTUATOR.FEELER-HOTOR-PUMP-VALVE-BELT-SEAL-SHAFT-CHAIN" *SPROCNET-DEAKING-CYLINDER-VALVE, SOLENOID-RELAY-CONTACT 54,9,64,9,74,11,86,8,95,5,101,4,105,8,114,5,120,5,126,5 132,10,143,11,154,8,161,9,173,3,177,5,183,6,190,7,198,7 *HUMAN EKKOR-CAUSE UNKNOWN-FEGGED-INSPECTION-OFF TRACK* *KERUKN-DKOFFED FIG-CHANGE TEST-INCOMPLETE-HIGH-LOW* *F11.0T-FIREYE-SUMP-PIPE-BOILER-COIL-TRAP-HEATER-FILTER* *STRAINER-THERMUSIAT/THERMOCOU----LINKAGE-BLOWER-FAN* *ALAKM-STAGE-STATION-VIDRATOR-RAPPER-GRID-SAMPLE-WHEEL* *NORTH-SOUTH-EAST-WEST-NOI-NOSANDS-NO4-NOS-UPPER-LOWER* 91,3,95,2,98,5,104,11,115,6,122,5,128,17,152,5,158,12 170,11,182,13,196,6,203,10,214,9,223,6,230,11,242,11 254,10,265,4,270,3,273,6,280,7,288,4,293,6,300,5,306,5 *FUSE-CIRCUIT BREAKER-WIRING-SWITCH-CAMERA-CONTROLLER*
FAN AND TIL1-DAMPER-FOSITIONER-AIR HANDLING UNIT 1 *AIK HANDLING UNIT 2-AIR HANDLING UNIT 3-TIMEK-HOSE*
IKANSALITER-SFRAY TREE-CONVEYOR-GEAR-WINDOW-HOT BHOE CART-DUISIDE CART-DOOR-GAUGE-TANK-HOPPER-TRAY. 1,7,9,9,19,7,27,6,34,4,39,4,44,8,53,4,57,6,64,17,82,8 267-4-772-6-779-5-784-4-789-5-795-3-799-7-807-9-817-6 024-4-029-5 *HYDRAULIC-FNEUMATIC-TEMPERATURE-PRESSURE-LEVEL-FLOU* *FOSITION-FLAME-BRINE-STEAM-CONDENSATE-NATURAL GAS*
FUEL OIL-LUBRICANT-AIR-WATER-BYPASS-CONTROL-SHUTDFF
SUFFLY-ISOLATION-SOLENOID-RELIEF-TRANSFER-ABENT 1,5,7,5,13,4,18,4,23,3,27,3,31,3,35,3,39,3,43,5,49,5 SET-BOX SET-CONNECTOR/ATTACHMENT-LINK/TAB-PIN* *BAND-STACK-SKI-BATTERY-REGULATOR-BRIDGE-IRIS-OTHER* *OVERPACK-GLOVES-SPHINCTER-WRENCH-COMPRESSOR-DRYER* . JAHMFD-SIUCK-FALSE SIGNAL/KEAD-----EMPTY-OUT OF ******** OS ARRAY (840) - COMPONENTS *WARPED-FLUGGED-FULL-FROZEN-DIRTY-OTHER SET-BOX SET-DVERSIZE-DIHER* ********* R\$ AKRAY (290) HISTOE 914. 912. 4 T V I MAIN UA CA. DAIA MATAI DATA 201 DATA ENTA Lin I A 6141 DATA LOID DATA EN FA DATA A S DATA 47.40 1010 6 V:1 TIAIA ISETA E 0 1 A HATA LAIA INTE EA FA LATA EAIA DATA DATA UATA FIRTA RIVE INIA **HATA** 15 L KLM KEH **LIPITA** REH REM EL H E H REA KEM T.E.M F. F. 0092 3110 .0612 3170 37.00 32.10 3.30 0202 2850 07.67 2990 30.50 3140 3150 3160 2769 2830 2670 2580 2890 2700 0175 0765 2970 2980 3010 3020 3040 3050 0908 3000 3090 2100 3130 3130 0612 3240 29.30 0165 3000 3070

NEN ********* T\$ ARRAY (190) - CORRECTIVE ACTION \$\$\$\$\$\$\$\$\$\$\$\$\$ 3350 KEM 本本本本生产对新来源于 U AREAY 《6+2》、本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本本 3430 KEM 华米米华米米米米米米米米米 END OF PROGRAM 非非常存在存在存在存在的基础的基础的最后的 3260 KEM 化多甲甲亚甲苯苯苯苯苯 【 AKKAY (1652) 埃弗特埃森埃洛特拉斯拉萨拉特拉特拉拉拉斯拉斯拉斯拉斯拉斯 ********* US ARRAY (90) - EFFECT ON OPERATION ########### DATA "DISCONTINUED-INTERRUPT/RESUMED---SLOWED-DELAYED START"
DATA "NOT AFFECTED-CAUSED DVERTIHE" DOTA "INVESTIGATE-ADJUST-LUBRICATE-REPAIR IN PLACE-REBET.

UATA "REHOVE/REFAIR/REPL---INSTALL REHOVE/REPLACE"

DATA "RESTART-START BACKUP/STDBY-----PROBLEH DISAPEARED."

DATA "ACTION DEFERRED-CLEANED-UNJAMMED-NONE-OTHER" 3270 DATA 1,11,13,6,20,9,30,15,46,5,51,18,73,7,81,14
3280 DATA 95,7,103,18,127,18,146,15,142,7,142,7,170,8,179,4,184,5 3370 UATA 1:12:14:17:34:6:41:13:54:12:67:15 BESO REN REH KE K REH REM KET. 3290 3300 3310 3320 3330 3350 3380 3400 3410 3340 3430 3390

1 GO TO 100 4 GO TO 10 310 B GO TO 310

++1++	100	100 REM #### .	DIRECTORY FOR HERGE PROGRAMS,	
	110	KEM ####	VERSION 3 - 07/31/81	
	120			•
	CE I	PAGE		
	140	SET KEY		•
	150		DIRECTORY FOR PROGRAMS IN MERGE DATA.	
	160	FRINT	FOR TRANSMISSION TO THE INTUAL 1108.	٠.
	100		KEY PROGRAM.	
	190		i	
	200	PRINT .	1 HIRAN BO DATA (DATA SHEFT 9)*	
•	210	FRINT .J	2 INVENTORY DATA (DATA SHEETS 10-15)*	
	02.6	1		
	7	250	•	
	240	LLL. THING 240	ENTER KEY FROM THE ABOUT 118T1	
+++++	250	INFUT F		
	250	IF F>2 THEN 290		
	270	·		•
	200	0.00		
++1++	290	FRINT	"INVALID KEY NUMBER - REENTER "1	
	300	01 09		
+15++	310	FRINT	JEND OF PRUGRAM.	
	320	END		

330 KEM 水果果果果果果果果果果果果果果果果果果果 END OF PROGRAM 非非非非非非非非非非非非非非

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430 REM ######### FREPARE OUTPUT DATA TAFE ########################
                                                                                                                                                                                                                                                                                                                                                                                          REM ******** MOUNT INPUT DATA TAPE AND CHECK LABEL #############
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRINT "JINSERT OUTFUT TAFE INTO UNIT 4924"
FRINT "JENTER THE UNIT NUMBER YOU ARE USING FOR THE OUTPUT TAPE!
                                                                                            ***
   ***
                                                                                                                                                            DIM A$(1),U$(18),V$(24),X$(104),Y$(445),Z$(106),R(54),D(5)
                                                                                                                                                                                                                                                                                                                                                                                                                                290 FRINT "JINSERT MIRAN INPUT DATA TAPE INTO CONSOLE"
300 FRINT "JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FRIME JEG YOU NEED TO LABEL THIS TAPE? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINT "JIHIS IS THE WRONG INFUT DATA TAPE".
PRINT "JIHIS TAPE IS FOR DATA SHEET #"1541" FOR "1C*
PROGRAM TO PREPARE HIRAN 80 DATA FOR THE SYSTEM 2000 DATA BASE PROGRAM
                                                                      STEARNS-ROBER, INC.
                                                                                                                                                                                                                                                                                                                                       260 PRINT *JMERGE PROGRAM FOR MIRAN 80 DATA*
                                    VERSION 3 - 8/14/81
                                                                                       H. E. MARTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TF A&S-Y* THEN 580
FRINT *JHOW MUCH SPACE DO YOU NEED?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #=SEG(X*,0,9)
" S$=*09* AND B$=T$ THEN 440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFUF 033-131X$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Z4="KMA5500"&C$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1=3E6(T$11,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S$=SEG(X*,4,2)
B$=SEG(X*,8,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              550 FRINT BULL2:Z$
                                                                                                                                                                              READ RIUSIVS
                                                                                                                                                                                                                                                                                                       W$= "KMASS10"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             530 Makk @U:1,F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FIND OULT
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   ***
                                                                                       NO REM WHAK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFUT TA
                                                                                                                                         SET KEY
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                                                                                                                                                                                                                                                                                     X.=$I
                                                                                                                                                                                                                                                                                                                       FAGE
                                                      FE
                                                                      MEX.
                                                                                                                                                                                                                                                  T=0
                                                                                                                                                                                                                                                                                                                                                                               F.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SE M
                                                                                                                                                                                                              200 REM
                                                                                                                                                                                                                                                                                                                                                                            270
                                                                                                                                                            001
                                                                                                                                                                                                                                                  210
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                                                                                                                                                                                                                                                                                                                       250
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 +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                +++1+++
                                                                                                                                                                                                                                                                                                                       +++1++
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BSO KEN 米米米米米米米米米米米米 NUMERICAL DATA 电电影)非常非常影響等或等等等的非常非常的主义的主义的
                                                                                                             REN 本本本本本本本本本本本 PROCESS MIRAN DATA 本本本本本本本本本本本本本本本本本本本本本本本本本本本本
                           C$=SEG(Z$,8,9)
IF S$="55" AND B$=T$ THEN 680
FKINT "JIHIS IS THE WRONG OUTPUT TAPE"
FKINT "JIHIS TAPE IS FOR **15$1" FOR "$C$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               K4=SEG(Y4,R(II),R(II+2))
Z4=KEP(K4,R(II+1),R(II+2))
                                                                                                                                                                                                                                                                                                                                                                                                            OK {=1 TO 6
K*=SEG(Y*,R(II),R(II+2)).
Z*=KEP(K*,R(II+1),R(II+2))
                                                                                                                                                                                            TYP(0)=1 THEN 840
                                                                                                                                                                                                                   R$=SEG(X$,6,1)
IF R$=*1* THEN 870
                                                                                                                                    FRINT 041: "L" 1Z$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1070 FOR J=J1 TO J2
1080 FOR I=1 TO 3
INPUT 00,13124
S4=SEG(Z4,4,2)
H4=SEG(Z4,8,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     D1=SEG(Z1,29,2)
                                                                                                                                                                                                                                                                              04=SEG(X4,37,L)
                                                                                                                                                                                                       INFUT 033:X$
                                                                                                                                               @331X$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      [!=!1+3
                                                                                                                                                                     FRINT 041;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  940 D4=SEGCZ4,
950 IF H4**FL*
960 Z4=REP(*X
                                                                                                                                                                                                                                          -LEN(X$)
                                                                                                                                                                                                                                                                                                                                                                                                                                               11=11+3
                                                                                                                                                                                                                                                                                          Y4=Y480$
                                                                                                                                                                                                                                                                                                                                                                                    870 Z$=W$8H$
                                                                                                                                                                                                                                                                 K1=K1+1
                                                                                                                                                                                                                                                                                                      0(K1)=[
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        000 N2=19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  010 I1=46
                                                                                                                                                 INFUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1=2N 0701
                                                                                                                                                                                                                                                                                                                                                                                                 1:11
                                                                                                                                                                                                                                                                                                                                                                                                             FUR
                                                                                                  KEM
                                                                                                                                                                                                                                                                                                                                                   BSO REM
                                                                                                                                                                                                                                                                                                                           840 T=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1100
                                                                                                              670
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . 096
                              610
620
630
640
                                                                                                                                    680
                                                                            650
                                                                                                                                                                                                                                                                                        010
                                                                                                                                                                                                                                                                                                    820
830
                                                                                                 999
                                                                                                                                                                                                                                                                            800
                                                                                                                                                                                                                                                                                                                                                                                                080
                                                                                                                                               069
                                                                                                                                                            901
                                                                                                                                                                                                        40
                                                                                                                                                                                                                    750
                                                                                                                                                                                                                                                                                                                                                                                                                      900
                                                                                                                                                                                                                                                                                                                                                                                   +++1+++
                                                                                                                                    +++5+++
                                                                                                                                                          +++1++
                                                                                                                                                                                            +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         +++1++
                                                                                                                                                                                                                                                                                                                           +++1+++
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570 GO TO 680

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550 KEM 水水水水水水水水水水水 114 (18) 水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             490 DATA B.B.2.12.10.6.20.27.4.24.26.1.25.16.4.29.31.8
                                                                                                                                                                                                                                                                                                                                                                                                                   "J*** ABNORMAL PROGRAM END ***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CHCL3 CHALNG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DATA 88,53,7,95,39,7,102,60,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             37,39,7,44,46,7,51,60,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           54,39,7,61,46,7,68,60,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                   *JHORMAL FROGRAM END*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       540-FATA *555457562021222324*
                                                                                                                                                                                                  N4=SEG(U4,2*K+7,2)
                                                             IF K1=0 THEN 1360
                                                                                                                                                                                                                               38=SEG(Y$1L11L2)
                                                                                                                                                                                 Z$=8E6(Z$,1,38)
                                                                                                                                                                                                                                                                                                                                         Z$:: KEP (*10*,6,2)
                                                                                                                                                                                                                 $=KEP(N$,6,2)
                                                                                                                                                                                                                                                             FRINT 041:Z*
FRINT 00-121Z*
                                                                                                                                                                                                                                                                                                                          Z4-SEG(Z4,1,39)
                                                                                                                                                                                                                                                                                                                                                                                      IF T=0 THEN 700
               PRINT GUALLIS
                                                                                                                                                    FOR K=1 TO K1
FRINT @411Z$
                                                                                                                                                                                                                                                                                          11-11112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .450 FRINT @U.23
                                                                                                                                                                                                                                                 *10847=1
                                                                                                                                                                                                                                                                                                                                                                                                                                     G9, T0 1450
                                                                                                                                                                                                                                                                                                                                                                                                    60 10 1440
                                                                                                                                                                                                                                                                                                                                                     $18$7:32
                                                                                                                                                                     L7:0(K)
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R\$=SEB(U\$,N1,2)

R\$=SEB(U\$,N2,6) Z\$=KEP(K\$,20,6)

Z\$=KEP(K\$,4,2)

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FRINT "JENTER THE UNIT NUMBER YOU ARE USING FOR THE OUTPUT TAPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INVENTORY DATA FOR A GIVEN DAY ARE URITTEN TO ONE
                                                                                                                                                                                                                                 FRINT "JEG YOU WANT TO MERGE INVENTORY DATA?" (ENTER Y OR N)
                                                                         FILE WHICH WILL BE INCHMITTED TO THE UNIVAC 1108
                                                                                                                                                                                                                                                                                                            FRINT "JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK!
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FRINT -JTHIS TAFE IS FOR DATA SHEET # 1541 FOR 164
                                                                                                                                                                                                                                                                                                "JINSERT THE INPUT DATA TAPE INTO THE CONSOLE"
                                                   TO MERGE INVENTORY DATA
                                                                                     VERSION 3 - 06/08/81
                                                                                                              STEARNS-ROGER, INC.
M. E. MARTIN
                                                                                                                                                                                  IM II(12), W(6), A$(1), U$(6), X$(70), Z$(65)
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REFORTS FOR ANY PERIUD OF TIME*
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DIRECTORY FOR TOTALS PROGRAMS
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                                                        STEARNS-KOGER INC.
M.E. MAKTIN
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                     VERSION 4 - 5/12/81
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110 - BUILDING 1611 RECEIPT INSPECTION DATA.
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"HERENS OF THE DAY OF THE WEEKS
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                                                                                                                                                                   STEARNS-ROGER, INC.
M.E.HARTIN
                                                                VERSION 7 - 10/20/81
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "JING YOU NEED TO ENTER CUMULATIVE TOTALS? (ENTER Y DR. N.
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IF 54-0 *X* THEN 740
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960 C(4,1)=K(6)+K(7)
                                                                                                                                                                                                                                                                                                                                                                                                               14-SEG(K1,K4,4)
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                                                                                                                                                                                                                                                                                                                                                             S$=SEG(Z$,18,4)
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[$=C$2[$
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                    OR I=1 TO 7
FRINT 'ENTER CUNULATIVE TOTAL
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                                                             A=5 THEN 1290
                                                                                                                                    IF A=69 THEN 1380
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Released However and proposed metaleness and proposed metales.

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REM
REM ********* PRINT DAILY REPORT ************************
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C(I,1) IS DAILY TOTAL! C(I,2) IS ACCUMULATIVE TOTAL C(I,3) IS NUMBER OF ID BETS REMAINING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *6X,10A,3A,8X,10A,5A,8X,10A,5A*1E$,F$,E$,H$,E
                                                                                                                                                                                                                                                                                                          GO TO N OF 2020,1990,2050
                                                                                                                                                                                                                                                                 K1=SEG(K4,R-M1+1,H1)
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N4=SEG(I4:12:2)
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D#=KEP(F*,4,3)
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H(3)=5
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1750 'C(1,3)aT(1)-C(1,2)

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6X,13A,8X,15A,5": ----TODAY----, -- SINCE STARTUP-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GA: USING .39A.S": "HEHORANDUM FOR COLONEL JOHN D. SPENCE"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     GA: USING "BA, 49X, 6A, 9A" 1" DRXTH-SE", "DATE! ", D&
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            *8X,15A*;*---REMAINING---
                                                                                                                                                                                                                                                                                                  "LA*** ABNORMAL END OF PROGRAM ####
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3100 REM ********* END OF SUBROUTINE 2 ****************
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                                                                                                                               FRINI BA: USING "2X"25A,5":"1.
FRINI BA: USING "30A,15A":N*,M$
                                                                                             GA: OFERATIONAL REMARKS:
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PRINT GA: USING "30A,3A":N*,"__
                                                                                                                                                                                           #4: USING 2930:N8.N6.
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2790 REM ###### SKIP PART OF OUTPUT

2775 GD TO 3060

3240 DATA *JANFEBHARAFRHAYJUNJULAUGGEPOCTNOVDEC*

3250 KEM 基本本本本本本本本本本本本本本本本本本本本本本 END OF PROGRAM 基本基本基本基本基本基本基本基本基本基本基本

GO TO 100

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- JENTER THE BEGINNING DATE OF THE REPORT PERIOD (DDMMYY)! ...
                                                                                                                       SETS PROCESSED OVER A SPECIFIED PERIOD OF TIME. INFUF DATA ARE FROM THE 'ID SET TOTALS' TAPE CREATED B THE PI PROGRAM FOR DLDG 1611 RECEIPT INSP. DATA. (#10).
                                                                                                                                                                                                                                                                                                                                                                                                                                 310 L*=L*L*F*
320 KEAR W*
330 FRINT "JINSERT THE INPUT DATA TAPE (ID SET TOTALB) INTO UNIT 4
340 FRINT "JENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRINT *JENTER THE ENDING DATE OF THE REPORT PERIOD (DDMMYY)
                                                                                                                                                                                                                                                                                                     230 DEM C(7,4),T(7),A$(1),K$(32),L$(70),W$(34),Y$(69),Z$(69)
240 FRINT "JDD YOU WANT TO PRINT ID 8ET TOTALBT (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *JURONG LENGTH ON BEGINNING DATE - REENTER.
                                                                                                        THIS PROGRAH PRINTS, AN OPERATIONS REPORT
                                                                                                                                                                                                                                                                                                                                                                    270 FRINT . JYOU ARE USING THE WRONG TOTALS PROGRAM.
                                                                                                                                                                                         BTEAKNS-ROBER, INC.
M.E.MARTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FRINT . JIHIS IS THE WRONG INPUT DATA - TAPE"
                                                                                              VERSION 7
                                                                                                                                                                                          DY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF S$=*50* THEN 480.
                                                                                                                                                                                                                                                                                                                                                    F AS- Y* THEN 290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L6=6 THEN 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              360 FIND 00:1
370 INPUT 00:13:24
380 St=SEG(Z$:4:2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             U$=866(E4)3,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           V4=SEG(N4,1,2)
N4=SEG(N4,5,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 U$=SEG(T$,3,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1$=SEG([$,5,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  T$=SEB(Z$,8,6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ∪$=SEG(T$,1,2]
                                                                                                                                                                                                                                                                                                                                                                                                     READ TINSILS
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                 INFUT GU, 13:2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFUT ES
                                                1930
                                                                               REM W###
                                                                                                                                                                                                                          KEM WAW
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FIND QU:1
                                                                                                                                                                                                                                                                                       SET KEY
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220 SET N
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                                                                                                                                          140 KEN
150 KEN
160 KEN
                                60 70
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11.50 REM A********* TOTALS FOR HOKE THAN ONE DAY *************
                                                                                                                                                          IF 64<=C4 THEN 740
PRINT "JENDING DATE HUST BE LATER THAN BEGINNING DATE"
FRINT "JNG YGU WANT TO TRY AGAIN? (ENTER Y DR N) *1
GO TO 1860
         620 IF L6=6 THEN 650
630 FKINT "JUKDNG LENGTH ON ENDING DATE - REENTER"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF- B4-C4 THEN 1300
                                                                                                                                                                                                                                                                                                                                                                         1F 14 34 1HEN 1350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C(1) JH1) =V6L(F$)
K1=h113
                                                                                                                                                                                                                                                                                                                                                                 1F BECC THEN 790
                                                                                                                                    (F C$<T$ THEN 1350
                                                                                                                                                                                                                                                                                                                                                                                                                                                 619 FOR Jat 10 3 SIEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          E$=SEG(R$,K1,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    F $ -- SEG (K* , K2, 5)
                                                                                                                                                                                                                                                                                                           IF I4:E4 THEN 790
IF F1=1 THEN 990
S4=SEG(24,14,56)
                                                                                                                                                                                                                                                                                                                                                                                                        970 IF F1=0 THEN 1350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C(I,J)=VAL(E*)
                                                                                                                                                                                                                                                                                                                                                                                                                             990 Tt=SEG(Z$,14,54)
1000 Kt=S$
                                        U4=SEG(C4,1,2)
V4=SEG(C4,1,2)
C4=SEG(C4,5,2)
                                                                                                                                                                                                                         IF L=1 THEN 970
                                                                                                                                                                                                                                                      U$-SEG(I$,3,2)
U$-SEG(I$,1,2)
I$-SEG(I$,5,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FOR 1=1 TO 7
                                                                                                                                                                                                                                 THPUT BU, 1312$
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                                                                        Ct-CtRU$
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                                                                                                                                                                                                                                                                                                                                                                                               940 60 10 1000
610 L6=LEN(C4)
                                GU TO 590
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                                                                                   C$-C$80$
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                                                                                                                                                                                         E$=14
F1=0
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C(1,1) IS TOTAL FOR PERIOD! C(1,4) IS ACCUMULATIVE TOTAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NEXT J
PRINT BA: USING "AX/10A/5A/BX/10A/5A/BX/10A/5A"1E4/F4/E4/R4/E4/H4
Kirni+10
                                                                                                                                       REH ********* TOTALS FOR ONLY ONE DAY ############################
                                                                                                                                                                                                                                                                                                           不同时,宋年末末末年本年本年,PROCESS REPORT DATES 非存储性存储体验检检检检检检检检检检检检检检
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                                                                                                             C(1,3) IS NO. OF REMAINING SETS
                                                                                                                                                                                                                                      FRINT *JFROGRAM IS UNABLE TO FIND DATE*
FRINT *JDO YOU WANT TO TRY AGAIN? (ENTE
GO YO 1860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FOR J=1 TO 4
GO TO J OF 1550,1680,1550,1550
C(1,4) = C(1,4) - C(1,3)

C(1,1) = C(1,4) - C(1,2)

C(1,3) = I(1) - C(1,4)
                                                                                                                                                                                              C(1,3)=T(1)-C(1,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF R=5 THEN 1640
IF R>5 THEN 1630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E*=SEG(L*,K1,10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  K4=STR(C(1,1))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FOR K=K+1 TO 5
                                                                                                                                                                                C(I,4)=C(I,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TU 1640
                                                                                                                                                                    FOR 1=1 10 7
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H1=K1
                                                                                                                                                                                                                          GO TO 1400
                                                                                                                                                                                                                                                                                                                                                                                              G0SUR 2620
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                                                        60 10 1406
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REM W###
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+++1+++

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1920 REM ********* SUBROUTINE 1 - PRINT PABE HEADING ##############
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "394,5":"MEHORANDUM FOR COLONEL JOHN 9, SPENCE, "
"84,12X,84":"USATHAMA","DRXTH-SE"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04: USING '394,S':'HENDRANDUM FOR COLONEL JOHN D. BPENCE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      *144,5X,9A,3A,9A*;*KEPORT PERIOD;*,X$.* - *,Y$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        --- TYPES AND TOTALS OF ID
                                                                                                                                                                             (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "354": SUBJECT: IN SETS OPERATIONS REPORT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      *6X*15A,8X*7A,S*1*****FERIOD-*****SINCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   *6A, UX, 15A*: *STARTUP-*, *--- KEMAINING--
             "JEG YOU WANT A HARD COPY? "(ENTER Y OR N)
                                                                                                                                                                          . JOO YOU WANT TO PRINT ANOTHER REPORT?
                                                                                                                                                                                                                                                                                           *J*** ABNORMAL END OF PROBRAM ****
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "26A": SETS PROCESSED----
                                                                                                                                                                                                                                                                                                                                                                                                                                              CA: USING *8A*: *DRXTH-SE*
                                                                                                                                                                                                                                                                 .JHORMAL END OF PROGRAM.
                                                                                                                                                                                                       IF A&C>*Y* THEN :1910
                                           IF A$<>*Y* THEN 1850
A=32 THEN 1810
                                                                                                                                                                                                                                                                                                                                                                                                                1970 IF A=32.THEN 7050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USING
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                                                                                                                                                             PRINT DA, 26:0
                                                                                                      GO TO 1490
FRINT BA:26:3
                                                                                                                                                                                                                                                                               60 10 2760
                                                                     MOVE 0,100
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                                                           PAGE
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2220 Mi=

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2500 KEM 安米牙卡在水水牛牛北北 END OF SUBROUTINE 2 非非常有非非非非非非非非非非非非非非非非非非非非非非非非
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                                                                                                                                                                                                                                                                                                                                                                               PA: USING *2X,37A,5*; 2. EXPOSURES/EMISSIONS/EXPLOSIONS!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRINT BA: USING "2X:15A:1A:12X:15A:12X:15A:15A:1MS:".".NG:MS
                                                                                                                                                                                                                                                   da: USING *2X,25A,5*1*1. PROBLEHS/SOLUTIONS!
2550 REH ####### END OF EKIPPED GUTPUT
                                           2250 KEH ****** SKIP PART OF QUIPUT
                                                                                                                                                                                                                                                                                                                                                                                               2460 FRINT UA: USING "30A, 3A IN1" ---
                                                                                                                                                                                                                       GA: OPERATIONAL REMARKS: *
                                                                                                                                                                                                                                                                    2360 FRINT BA: USING "30A-15A"INS.MS
                                                                                                                                                                                                                                                                                                                   BA: USING 2420:N$,N$,".
                                                                                                                                                                                                                                                                                                                                                                                                                                             FRINT BAT USING 2420;N$+N$P
                                                                                                                                                                                                                                                                                                                                  2X, 30A, 30A, 10A
                                                                                                                                       A=32 THEN 2330
                                                                             IF A=32 THEN 2330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF 4=32 THEN 2540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2630 E$=SEG(F$+5+2)
2640 F$=5(G(F$+3+2)
2650 H$-5(G(F$+1+2)
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THIS PROGRAM KEEPS A KUNNING COUNT OF THE DRUNG
IN THE INVENTORY, INFUT DATA ARE FROM DATA SHEETS
413 - PROCESS DATA RESIDUE AREA,
                                                                                                                              114 - FROCESS DATA, SFRAY DRYER,
115 - FROCESS DATA, ELECTROSTATIC PRECIPITATOR
                                                                                                                                                                                                                                                                                                                                               FRINT . JOG YOU WANT TO UPDATE DRUM TOTALST (ENTER Y DR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FRINT "JINSERT THE INVENTORY DATA TAPE INTO THE CONSOLE" FRINT "JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK!
                                                                                                                                                       THE DAILY OUTFUT RECORD CONTAINS THE NUMBER OF EACH TYPE OF DRUM PROCESSED THAT DAY AND THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FRINT JUG YOU HAVE DATA TO ENTERY (ENTERY OR N)
                                                                                                                                                                                                                                                                                                                                 DIM C(4,2),M(2),A$(1),L$(60),W$(36),X$(45),Z$(27)
                                                                                                                                                                                                                                                                                                                                                                                   FRINT "JYOU AKE USING THE WRONG TOTALB PROGRAM"
                                                                                                                                                                                                                 STEARNS-ROGER, INC
                                                                        VERSION 4 - 5/26/81
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FEINT "JIHE DATE HUST HAVE 6 CHARACTERS"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         . JJINSERT OUTPUT BATA TAFE (TRUM TOTALS) INTO UNIT 4924.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1130 FEIRL "JOURULATIVE TOTALS CANNOT HAVE MORE THAN 5 DIGITS"
                                 FRINI "JIHIS IS THE WKONG INPUT DATA TAPE"
FRINI "JIHIS IAFE IS FOR DATA SHEET #'1841" FOR "1C$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1000 FRINT JEG YOU HEED TO ENTER CUMULATIVE TOTALS?
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                    S-N1 AND BS-TS THEN 710
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                                                                                                                                                                                                                                                                                                                                                                 C(4,1)=C(4,1)+C(1,1)
                                                                                                                                          TYP(0)=1 THEN 800
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14-GALIS
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C$#8EG(78,8,9)
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B\$=SEG(Z\$,0,3)

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K*=SEG(R*,R-H1+1,M1)
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390 F$=SEG(X$,K2,S)
                                                                                                                                                                     X$=KEP(U$,8,6)
X$=KEP(M$,14,12)
FRINT @U,121X$
                                                                IF Fat THEN 1300
INFUT RU-131X
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.620 Ht=5EB(1$,12,2)
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2160 FRINT BA: USING 'BA:49X,6A,9A': 'DRXIH-SE', 'DATE: ',D$
2170 FRINT BA: JJ.
2155 FRINT BA: JJ.
2155 FRINT BA: USING '39A.S': 'MENORANDUM FOR COLONEL JOHN D. SFENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ea: USING '39a,S':'MEHORANDUM FOR COLONEL JOHN D. SPENCE,
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H*=SEG(X*,K3,5)
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D$=REP(H$,8,2)
DIS-REP (ES, 1,2)
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2020 PRINT BAT US
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KEH ********* SUBROUTINE 2 - PRINT END OF PAGE *****************
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FRINT BA: USING 2480:"SUBHITTED BY","REVIEWED BY","APPROVED BY"
IMAGE 4X,12A,14A,11A,11A,11A
                                                                                                                                                                                                                                                                                                                                                                                              EXPOSURES/EMISSIONS/EXPLOSIONS!
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                                                                                             VERSION 4 - 5/12/81
THIS PROGRAM FRIHTS AN OPGRATIONS REPORT OF TOTAL
                                                                                                                                                                                                                                                                                                                                                                        PRINT "JINSERT THE INPUT DATA TAPE (DRUH TOTALS) INTO UNIT
PRINT "JENTER THE UNIT NUMBER YOU ARE USING FOR THE DATA"T
                                                                                                                                                                                                                                                                            FILM C(4,4).4%(1), L%(60), W%(36), Y%(45), Z%(45)
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THE DI PROGRAM FOR DATA SHEETS 13, 14, AND
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M.E.MAKTIN
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DATE: C(1,1) IS DAILY TOTAL; C(1,2) IS ACCUM, TOTAL UATE: C(1,3) IS DAILY TOTAL; C(1,4) IS ACCUM, TOTAL
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                                                                             FRINT "JENDING DATE HUST BE LATER THAN BEGINNING DATE" FRINT "JEG YOU WANT TO TRY AGAINT (ENTER Y OR N) "!
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980 FUR J=1 TO 3 STEP 2
990 KT=1
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F4=SEG(K4,K2,5)
C(I,J)=VAL(E$)
                                                                   B4<=C4 THEN 710
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            U$=SEG(C$,3,2)
                       V4=SEG(C4,1,2)
C4=SEG(C4,5,2)
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1150 REH K*******************************

11-10 REN

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REM *** C(1,1) IS TOTAL FOR PERIOD! C(1,4) IB ACCUMULATIVE TOTAL
                                                                                                  KEM ********* TOTALS FOR ONLY ONE DAY **************
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,4)=C(I,4)-C(I,3)
           C(I,1)=C(I,4)-C(I,2)
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IF J=4 THEN 1620
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2120 KEM
2130 KCM ************ SUBROUTINE 2 - PRINT END OF PAGE ***********
                                                                                                                                                                                                                                                                                                                                       PA: USING *39A,S*1*MEMORANDUM FOR COLONEL JOHN D. SPENCE,
                                                                                                                                                                                                                                                                                                                                                                                                   USING '39A,S': MEMOKANDUM FOR COLONEL JOHN D. SPENCE, USING '8A,12X,8A': USATHAMA', 'DRXTH-SE'.
                                                           (ENTER Y OR N)
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                                                        . JEG YOU WANT TO PRINT ANOTHER REPORT?
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                                                                                                                                                                2300 FKINT BA: USING *2X,37A,6::2. EXPOSURES/EMISBIONS/EXPLOSIONS!
                                                                                                                                                                                                                                                                                                                                   2380 FEINT @A: USING "2X,15A,1A,12X,15A,12X,15A,144,14,14,14,14
2390 FRINT @A: USING 24001"SUBMITTED BY","REVIEWED BY","APPROVED BY"
2400 IMNGE 4X,12A,14X,11A,16X,11A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOTAL
             2230 FRINT EA: USING .2X,25A,5":"1. PROBLEHS/SULUTIONS:
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                                                                                                   FRINT GA: USING 2280:N$,N$,"
                                                                                                                                                                                                                                                                       FRINT GA: USING 22801N$,N$,
                                                                                                                        IMAGE 2X, 30A, 30A, 10A
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2270 FRINT GA:
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2210 FRINT GAI " OPERATIONAL REMARKSI"

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A10 KEM AVARARARYYX FKEPAKE DUTFUT TAPE KARARARARARARARARARARA
A20 KEM AVARARARARAR FKEPAKE DUTFUT TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FRINT "JENTER THE UNIT DATA TAPE (DOWNTIME TOTALS) INTO UNIT 4924.
                                                                                                                                                                                              DIM A$(1), X$(97), Z$(101)
FRINT *JRO YOU WANT TO UPDATE DOWNTIME TOTALS? (ENTER Y OR N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRINE "JOO YOU NEED TO INITIALIZE THIS TAPE? (ENTER Y OR N)
                               THIS PROBRAM KEEPS A RECORD OF ALL DOWNTIME DATA ON A 'DOWNTHE TOTALS' TAPE. THIS TAPE WILL BE UFBATED BAILY.
                                                                                                                                                                                                                                                                                                         FRINT "JINSERT THE DOWNTIME DATA TAPE INTO THE CONSOLE" FRINT "JENTER THE FIRST 3 LETTERS OF THE DAY OF THE WEEK!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FRINT "JIHIS IS THE WRONG INPUT DATA TAPE"
FRINT "JIHIS TAPE IS FUR DATA SHEET # 18$1" FOR "1C$
                                                                                                  STEAKNS-KOGER, INC.
M.E.HARTIN
                    VERSION 4 - 5/20/81
                                                                                                                                                                                                                                           240 IF A$=*Y* THEW 270 ... 250 PKINI "JYDU ARE USING THE WKONG PKOGRAH"
 TOTALS - T1
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520 8871 8888888888 AUD NEW FOUNTIME RECORDS TO SUTPUT TAPE \$\$\$\$\$\$\$

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FRINE JENSEAT THE INPUT DATA TAPE (DOWNTIME TOTALS) INTO UNIT 4924.
FRINE JENIER THE UNIT NUMBER YOU, ARE USING FOR THE DATA TAPE ...
                                                                                                                                                                                                                                                                       UIM M(26,2),H*(370),N(99,2),N*(840 ,H(500),B(500)

UIM A*(1),W*(36),X*(9),Y*(97),Z*(97)

FRINT JEO YOU WANT TO PRINT DOWNTIME REPORTS T (ENTER Y DR N) *)
                                                                                                   THIS FRO SHAM PRINTS VARIOUS REPORTS OF DOUNTINE
                                                                                                                      DATA ACCUMULATED OVER ANY PERIOD OF TIME. INPUT DATA ARE FROM THE 'DOUNTIME TOTALS' TAPE CREATED BY THE TI PROGRAM.
                                                                                                                                                                                                                                                                                                                                               FRINT *JYOU ARE USING THE WRONG TOTALS PROGRAM*
                                                                                                                                                                                 STEAKNS-ROGER, INC.
M.E.MARTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PATRI "JOHES IS THE WRONG INPUT DATA TAPE"
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                                                                                                                                 KINT . JENTER THE ENDING DATE OF THE REPORT PERIOD (DDMNYY)!
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CHARGEABLE DOWNTIME LISTED BY GUBSYSTEM
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BOUNTIME LISTED BY PRIMARY COMPONENT*
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FRINT *JUNGUE LENGTH ON ENDING DATE - REENTER*
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1360 REN KKKKKKKKKK PKEFAKE REPORTS 1. 2. AND 3 KKKKKKKKKKKKKKKKKKKKK
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1580 FRIIF "JHIS PROGRAM CANNOT HANDLE HORE THAN 500 RECORDS"
                                                                                                                                                      1200 KEH *** SUBROUTINE 1 - SET UP PRINT DATE
                           60 10 K OF 1180,1200,1220,1710,2010
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60 lu N OF 1520,1480,1500
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                                                                                                1230 H$="NUN-CHARGEABLE"
1230 G0 T0 1390
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IF 145C4 THEN 1660
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                                                                                                                                                                                                                                                                                                                                                                                                                       ) V4×SEG(Z4,8+2)
) U4×SEG(Z4,10+2)
) I4×SEG(Z4,12+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IF K-0 THEN 1620
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        K$=5EG(2$,37,4)
K=UAL(K$)/100
                                                                      H*= CHARGEABLE.
                                                                                                                                                                                                          E$=SEG(P$,5,2)
| F$=SLG(P$,3,2)
| U$=SUG(P$,1,2)
                                                                                                                                                                                                                                                                                                                                       D$~EEF(6$,8,2)
                                                                                                                                                                                                                                                                                  F$-SEG(W1,F,3)
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             JAL SUBSYSTEM
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1700 KEN 非非非非非非非非非非 PKEPARE REPORT 参名 非指述技术与非非非非非非非非非非非非非非非非非非
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                                                                                                                                                              IF 145C$ THEN 1970
R$=SEG(24,37,4)
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                                                                                                                                                                                                                                                    IF 1<>99 THEN 1910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF JY500 THEN 1680
                                                                                                                                                    IF 14-84 THEN 1930
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IF L=1 THEN 2230
INFUT 00,13:Z*
GO IU 2020
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                                                                                                                                                                                                                           K$=5E6(2$,23,2)
                                                                                                                                                                                                                                                                                                                                                       IF J=0 THEN 860
                                                                                                                                                                                                                                                                                                                                                                                                                                                          U$=SEG(2$,10,2)
I$=SEG(2$,12,2)
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                                                                                                   U.S. SEG(Z4,10,2)
                                                                                                                4-566(24,12,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                             V$=SEG(2$,8,2)
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FINT PALLISING .10X,9A,16X,8A,5X,8A,1K4, DOWNTIME., DOWNTIME
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N OF 2290,2290,2310,2330
PAI" TISTED BY GUBSYSTEM"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FRINT BAT USING *6X,2D,2X,21A,3X,5D,2D,8X,3D:15(1),R$,H(1),P
                                                                                                  ALL DOWNTIME TOTALLED BY SUBSYSTEM*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 THE CAL USING .10X.20A.4X;50.2D*1*TOTAL HOURS DOWNTIME*,T
                                                                                                                                                                                        GA: USING *10X,9A,18X,5A,7X,7A*;K&,*HDURS*,*PERCENT*
                                                                                                                               LISTED BY PRIMARY COMPONENT*
REPORT FERIOD: *1X$1* - *1Y$
                                                                                                                                              $11. - . 18X1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 682,7,690,7,698,20,719,8,728,3,731,5,737,5,743,7,751,8,760,6
767,4,772,6,779,5,784,4,789,5,795,3,799,7,807,9,817,6
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*GLOVE BOX-FECON MOTULE-BOX FEED-RESIDUE HANDLING*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 AND CONDENSATE-FUEL DIL-FROCESB WASTE-DOORS*
FROTECTION-HVAC-ELECTROSTATIC FRECIP-----SCRUBBERS*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    *SET HOVEMENT(TSY)-ENVIRG HONITORING------ADMINISTRATIVE*
                                                                                                                                                                                                                                                                                                                                                                                                           DATA 1,18,20,11,32,13,45,20,66,8,75,13,89,5,94,15,110,4,115,20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    261,11,273,10,284,8,293,4,298,6,305,8,313,11,325,12,338,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            *ACTUATOR, FEELER-HOTOR-FUMP-VALVE-BELT-BEAL-SHAFT-CHAIN*
*SFROCKET-BEARING-CYLINDER-VALVE, SOLENDID-RELAY-CONTACT*
                                                                                                           OR NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       343,5,349,4,354,6,361,4,365,4,370,5,376,5,392,10,393,14
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"HEAT EXCHANGE/COOLER-CONTROL FANEL-TV HONITOR-CART TOP"
"CIRCULT BREAKER- -LIGHT-MIRAN 80-BUBBLER/FILTER-TABLE" "AIK HANDLING UNIT 2-AIK HANDLING UNIT 3-TIMEK-HOSE" "TKANSMITTEK-SPRAY TREE-CONVEYOR-GEAR-WINDOW-HOT SHOE" INSIDE CART-OUTSIDE CART-DOOR-GAUGE-TANK-HOPPER-TRAY. *FIG SLT-BOX SET-CONNECTOR/ATTACHMENT-LINK/TAB-PIN*
*ALARM-STAGE-STATION-VIBRATOR-RAFFER-GRID-SAMPLE-WHEEL
BAND-STACK-SKI-BATTERY-REGULATOR-BRIDGE-IRIS-OTHER *FUSE-CIRCUIT BREAKER-WIRING-SWITCH-CAMERA-CONTROLLER *FAU AND TILT-DAMPER-FOSITIONER-AIR HANDLING UNIT 1* *JANFERMAKAPRMAYJUNJULAUGSEPOCTNOVDEC** DATA DATA UATA DATA ENTA LATA **LIATA** LIATA 3490 INTA IIA JA DATA REH 3370 3390 3410 3440 3380 3460 3170

APPENDIX C

APPENDIX C OPERATION OF THE STATISTICAL PROGRAMS

The ID Sets statistical programs are designed to analyze plant air monitoring data, lab quality control data and check the calibration of the lab analyst's machines. There is a separate statistical program and corresponding history tape for each type of agent destroyed. These programs were written for the Tektronix 4051 and 4052 micro-computers along with the 4924 external tape drive, the 4631 hard copy unit and the 4662 plotter. Refer to the glossary of Tektronix hardware terms found in Appendix A.

The computer operator starts by inserting the program tape into the internal tape drive of the 4051 or 4052 computer, and presses the "AUTO LOAD" key. This automatically loads the first program file on the statistics program tape into memory and then executes the program. The directory in Figure C-1 appears on the screen and the computer awaits the operator's choice. Option one creates a new IDS history tape. This tape, when new, contains only information concerning quality control boundaries. After it has been used in conjunction with the statistics program, it will hold the previous day's quality control results (a month at a time) along with the daily lab data. After the tape has been created the program returns to the directory in Figure C-1.

Option two is a program that is used to refresh the history tape and its files between each daily run. It removes the files that contain the daily lab data and leaves intact the files containing the previous day's quality control results. After this option is entered, the instructions in Figure C-2 are displayed. The "HOME PAGE" key is located on the upper left-hand corner of the keyboard. When completed, the program returns to the directory shown in Figure C-1.

When option three is entered the computer screen clears and the message in Figure C-3 appears.

After the user, user-ID and date have been entered the operator must follow the instructions in Figure C-4.

After a brief period of time the message in Figure C-5 appears. The statistics program tape must be removed before this can be done.

The programs for some of the other agents destroyed request additional information concerning lab analyst's initials and the machine number used for the analysis. At this time the daily data tape is read and the data is stored on the IDS history tape. After this process is completed a small flashing "F" is seen in the upper left-hand corner of the CRT screen. This indicates that the "HOME PAGE" key must be pressed. The screen will flash and the actual data (plant air monitoring results) for the day are displayed. After a hard copy is made the "HOME PAGE" key must be pressed to continue. The message in Figure C-6 follows.

Next the statistics program produces a calibration graph based on some of the daily data from the history tape. After a hard copy is produced the "HOME PAGE" key is pressed. The message in Figure C-7 is displayed. At this time the computer operator has a chance to reproduce the same graph but on a larger scale than the hard copy

unit. If the answer is no, the program then calculates the accuracy and precision values for the day. The accuracy and precision results for the day are used to update the monthly history file. From this history file a graph of the month's accuracy values is displayed on the screen. A hard copy is made and the "HOME PAGE" key is pressed to continue. The operator has the choice presented in Figure C-7. Next the graph which shows lab precision values for the month is drawn on the screen. A hard copy is made, the "HOME PAGE" key is pressed and the message in Figure C-7 is again displayed. For some of the agents demilitarized, this is the last graph. For others two more graphs similar to the lab accuracy and precision graphs are produced. The only difference is that they show plant quality control instead of lab quality control. The same procedures are followed for these graphs. When the statistics program is completed the directory in Figure C-1 is displayed and option 4 is chosen.

OPTION

FUNCTION

CREATE A NEW HISTORY TAPE
REFRESH HISTORY TAPE
RUN STATISTICS PROGRAMS
STOP

WHICH OPTION> (1,2,3,4)

FIGURE C-1

BEGIN PROGRAM TO UPDATE HISTORY TAPE INSERT HISTORY TAPE INTO INTERNAL TAPE DRIVE MAKE SURE HRITE PROTECT 13 NOT ON SAFE PRESS HOME PAGE TO START PROGRAM

FIGURE C-2

ID SETS MANAGEMENT

Programmed by
Computer Sciences Corporation
Data Systems Laboratory
NATIONAL SPACE TECHNOLOGY LABORATORY
NSTL Station, Mississippi 39529

Version 7.8 FEBPUARY 18,1981

PRESS 'RETURN' TO CONTINUE EHTER USER-ID

ENTER DATE MM/DD/YY

FIGURE C-3

INSERT IDS HISTORY TAPE IN EXTERNAL TAPE UNIT # 4924 *** ENTER EXTERNAL LABEL ON HISTORY TAPE

FIGURE C-4

INSERT RMA TAPE IN 4051 ENTER THE LABEL ON THE RMA DATA TAPE

FIGURE C-5

INSERT PROGRAM TAPE IN 4851 PRESS 'HOME PAGE' TO CONTINUE

FIGURE C-6

00 YOU HANT A 4662 PLOT? (Y/N)

FIGURE C-7

APPENDIX D

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APPENDIX D

LISTING OF THE STATISTICAL PROGRAMS

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HEM M4(4)+Y4(20)+X4(30)+K4(2)+R4(4)+B4(1)+B4(1)+B4(1)+B4(2)
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                                                                                                                                                                                                                                                                                                                                                                                                                080
                                                                                                                                                                                                                                                                                                                                                                                                                           100
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.50
                       500
                                                          6 30
                                                                     040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1112111
                                 ++111++
                                                                                                                                                                                                                                                                                                                                        +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        +++1++
                                                                     ++:1++
```

1210 KEM check for end of file

```
1310 KEM Load calibration data into X2 and Y2
                                                                                                                                                                                                                                                                             1360 KEM now load transformed data into-X1.Y1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 *Processing Calibration Data for 2009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1650 KUM Process Calibration Data
                                                                                                                                                                                                                                                                                                           1370 B%=14
1380 GO TO OO OF 1400,1500,1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     end of load routine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Y1(I)=L06(-Y2(I)+P(31))
                                                                                                                                                                                                                                                                                                                                                        1390 REH X=1n(X) transform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1570 REM no transformation
                                                                                                         C$=SEG(X$,1,2)
IF C$=*NA* THEN 1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X1(1)=X2(1)+P(32)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X1(I)=X2(I)+P(32)
Y1(I)=Y2(I)+P(31)
                                                           1F ACM THEN 1220
                                                                                         X4=SEG(84,27,7)
                                                                                                                                                                                                                 X*=SEG(E4,48,7)
Y2(N)=UAL(X*)
                                                                                                                                                                                                 1330 X2(N)=UAL(X$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N 01, 1=1 303 0071
                                                                                                                                                                                                                                                                                                                                                                                       1400 FOR I=1 TO N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1500 FUR I=1 TO N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1490 REM Y=1n(Y)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    00000
                                                                                                                                                                                                                                                                                                                                                                                                                                                     0271 OJ 69 06F1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             00 10 1660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.430 NEXT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1659 PRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     M1505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1640 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1500
                                                                                                                        1290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3.5
                                                                                                          280
                                                                                                                                                                                                                 330
+++2+++
                                                                                                                                                                                                                                                                                                            +++1+++
                                                                                                                                                                                                                                                                                                                                                                                        +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ++1++
```

```
050 Lambalion of Instrument Response '104 060 Lambis.
                                                                                                                                                               F(2) - (F(8) * MS-M1 * M2) / (F(8) * M3-M1 * M1)
                                                                                                                                                                                                                                                D-D+(Y1(I)-F(1)-F(2)*X1(I))^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GET PARAMETERS FOR T
                                                                                                                                                                                                                                                                         F(23)=1-B/(M4-M2*M2/P(B))
                                                                                                                                                                                                                                                                                                                                                                                                   X*-*CONCENTRATION*
Y***INSTEUMENT RESPONSE*
                                                                                                                                                                              F(1)=(M2-F(2)*M1)/F(8)
                                                                               HS-HS+X1(I) #Y1(I)
                                                    M3-M3+X1(I)*X1(I)
N4-M4+Y1(I)*Y1(I)
                                                                                                                                                                                                                                   FOR I=1 TO P(B)
                                                                                                                                                                                                                                                                                                                                                                                                                                D4 = SEG(R4, 14,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          U4=SEG(B4,12,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  W4 -SEG(B4:16:2)
                                                                                                                                                                                                                                                                                      P(6)=0/(P(8)-2)
                                                                                                            C=F(B)*H3-M1#H1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2210 REM Frucess QL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2198 INTUI BUZIBSIF
             FOR I .. I TO N
                                                                                                                        F(10)=F(B)/C
                            MI-MI+XI(I)
                                         M2-H2HY1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            G05UE 61000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GOSUR 60000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        00091 BUSUD 0222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6050B 3500
6050B 3750
                                                                                                                                     P(11)=M1/C
                                                                                                                                                                                                                                                                                                                               P(27)=P(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2194 Ft="HK" 8M$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2250 GUSUB 7000
                                                                                                                                                                                                                                                                                                                                                                                        DIM 14 (30)
                                                                                                                                                   P(12)=N3/C
                                                                                                                                                                                          P(4)::P(1)
P(5)::F(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                ./. 8 4 11 - 4 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-1118.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          118-fit 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     245 07-0.945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 M2 $1J-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          250 04 - M. L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C10 C-0.208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2204 P(S1)=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       P(32)=0
                                                                                                                                                                                                                                                                                                                   F(29)=1
P(0)::N
                                                                                              NEXT I
                                                                                                                                                                                                                                                                                                     P(9)=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P(3)=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2192 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22.08
                                                                                                                                                                                                                                                                                        0107
                                                                                                                                                                                                                                                                                                                                                                                                                   2100
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                                                                             0581
                                                                                                                                                   006
                                                                                                                                                                                                                                                                                                                                                                                        000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2170
```

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IF N2(3)<>0 OR X1(3)<>X1(31) THEN 3410
                                                                                                                                                                                                                                                                                                                                                                                                                               3100 KEM Determing number in each group
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IF N2(J)=-1 THEN 3160 NO(N2(J))
                                                                                                                                                                                                                                                                                                                                        FOR J1=1 TO N
IF N2(J1)=0 THEN 3180
                                                                                                                                                                                                                                                                                                                                                                                FOR J=1 TO N
IF H2(J)=-1 THEN 3090
                                                                          2320 KEM Input Actual Data
                                                                                                                                                                                          Y$=SEG(H$,118,2)
IF Y$ (>*PL* THEN 2360
                                                                                                                                                                                                                                                                         2997 KEM Determine Group
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IF JI ON THEN 3210
                                                                                                                                  IF ACC THEN 2460
                                                                                                                                                                     IF A .. THEN 2360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF N=0 THEN 3170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FOR J=J1+1 TO N
                                                                                                                  INPUT EUI:ES
A=IYE(0)
                                                                                                                                               THEUR PULLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FOR J=1 TO N
                                                                                                                                                                                                                        605UB 10000
                                                                                               N=0
FIND CUIST
                                                                                                                                                            GGSUB 5000
                                  60SUR 7000
                                                      2310 GOSUB 3750
                                                                                                                                                                                                                                  GO TO 2360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              J3-Y1(J1)
                                                                                                                                                                                                                                                                                                                                                                                                     N7=N7+1
            C=0.200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         J4=J3#J3
2275 Ut='UF'
                        07-0-93
                                                                                                                                                                                                                                                     RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RETURN
                                                                                                                                                                                                                                                                                                                                                                                                              3090 NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NEXT J
                                           HUSUD
                                                                                                                                                                                                              Z+1+N
                                                                                                                                                                                                                                            $ 1 = $ H
                                                                                                                                                                                                                                                                                                                                                                                                                                                       0=0N
                                                                                                                                                           9.40
                                                                                                                                                                      3400
                                                                                                                                                                                          2410
                                                                                                                                                                                                             2430
                                                                                                                                                                                                                                  2450
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0613
                                                                                                                                                                                                                                                                                                                   3000
                                                                                                                                                                                                                                                                                                                              0100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3140
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3270
                                                                                                                                                                                2405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31:10
                                                                                                                                                                                                                                                                                                                                                                                                    3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         +++1+++
                                                                                                                                                                                                                                           +++1+++
                                                                                                                                                                                                                                                                                                                                                                      111111
```

Anjusthent for Calculated Recovery 3420 JS=J4~J3*J3/J2 3430 IF J2<>1 AND J5<>0 THEN 3020 5410 FOR J=1 TO H 3450 IF H2(J) < K THEN 3470 3460 N2(J)=1 P(25), P(26) 3640 F(28)=J 3650 F(25)=30R(82/J-P(25)*P(25)) 3660 RETURN INCUT 602,618
IF 0<>2 THEN 3810
IMPUT 602184
60 TO 3770 J4=J4+Y1(J)*Y1(J) 3749 REM undate FLOISOC \$2=\$2+X1(I) \$2=\$2+X1(I)*X1(I) IF NO THEN 3580 X1(I):X1(I)/07 0 60 10 3640 FOR I=1 TO N J=11J 3499 REM X1(N2(I)) 2750 F4=*PLDTSQC* 3760-GQSUB 60000 J2=1+J2 J3=J3+Y1(J) SEZO PSTRU BULLOS 1.1413.390 PRIOT POLITICAL 3630 F(25)=51/J 3470 60 10 3020 507 111 4:1 メュ(し)ごと F(25)=0 F(26)≈0 3540 F(28)=0 3450 N2(J)= 3450 N2(J)= 3470 NEXT J 3410 NEXT J HEXT I N. N. S2±0 3500 51-0 0=0 00/45 00/45 1 00/45 0777 51.... 3430 3510 3530 3550 3570 3580 3580 3593 3620 3780 3790 0657 000 3540 3400 0070 28110 1111111 +++1+++ +++1+++ +++1++ 141111 ---2---

1999 KEM chuck for accortable record

```
5020 KEM see if it is data ur comment record
                                                                                               5030 IF X4<>*1* AND X4<>*3* THEN 5130
5040 X4~5EG(R4,18+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             МВ(N2(I))=МВ(N2(I))+XI(I)*XI(I)
М9(N2(I))=М9(N2(I))+YI(I)*YI(I)
                                                                                                                                                                                                                                                                                                                                                 5110 REM check analyst's initials
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MA(N2(I))=M6(N2(I))+X1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            M7(N2(I))=M7(N2(I))+Y1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6999 KEM Get data for UL & OP
                                                                                                                                                                                                                                                  5080 KEM check serial number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CF N2(1) <1 THEN 6130
                                                                                                                                                        5050 REM check agent code
                                                                                                                                                                                            SUGO IF X8<>M$ THEN 5130
                                                                                                                                                                                                                                                                                          5090 IF X$<>N$ THEN 5130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5999 KCM GROUP MOVEMENTS
                                                                                                                                                                                                                                                                                                                                                                                      5120 IF X$=U$, THEN 5140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2050 IF A<>2 THEN 7410
2060 INFUT 001:0$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7000 1F ACL THEN 7040
                                                                                                                                                                                                               5070 X4-SEB(B4,20,1)
                                                                                                                                                                                                                                                                                                           5100 X$#SEG(B$,87,3)
5000 A=1
5010 X*=SEU(F*,6+1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1000 FOR I=1 TO N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7630 INFOT @UL:B4
2646 6= FYP(0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OFFIND GUI:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2670 GUSUB 5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7629 FIRE RUI:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N7=:+N7
                                                                                                                                                                                                                                                                                                                                                                                                                                 5140 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           030 MB=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0-61
                                                                                                                                                                                                                                                                                                                                                                                                              5130 A=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7000 11=0
                                                                                                                                                                                                                                                                                                                                                                                                              +1+2++1
                                                                                                                                                                                                                                                                                                                                                                                                                                 111111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     +++1++
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7300 KEM end of case statement based on transformation 7250 X=EXF((Y-F0(1)+F(31))/F0(2))-F0(32) 7270 GU TO 7310 concentration 7290 X=(Y-F0(1)+F(31))/F0(2)-F0(32) 9998 REM met actual data from B\$ 7180 GC TO 00 OF 7260,7190,7290 no transform **THEN 7040** 7230 X=(Y-F0(1))/F0(2)-P0(32) 7240 G0 T0 Z310 Y*=SEG(IN*,97,7)
IF C=0 THEN 7160
IF VAL(Y*)<>C THEN 7040
Y**SEG(IN*,48,7) Calibrate OC Data 71 0 REHcheck for control 7110 IF W\$<>0\$ THEN 7040 7190 Y=LOG(-Y+PO(31)) 7310 UF=SEG(S1,62,7) X=X#UAL(W\$) W\$=SEG(E4,69,7) YE-SEG(01,97,7) X=X*UAL (U\$)/10 7280 KEM case 3 7250 REM case 1 IF U15≈NA Y2(N) "Y GU TU 7040 7170 Y-VAL (Y\$) IF WS="NA Y=501.(Y\$) X1(N)=X X=(N)=X Y1(N)=Y RETURN N=111 7175 REH 7130 7140 7150 7150 7330 062 350 360 370 380 390 7400 +++1+++ +++1++ 1+11+1 +++1+++ +++5+++ 111111

-1--- 10000 Y1.5EG(B1.48,7) 10010 Y0=UGL(Y3) 10020 G0 T0 G0 OF 10120,10040,10150

(FELLEFF 10040 Y"SLOGG-Y0FFG(31)) 15059 XOS(YO-FO(1))/F0(2)-F0(32) 10100 (0) 10 10120

Y=lr(Y)

10030 REM case 2

7090 Wt-SEB(84,118,2)

```
10173 REM ADJUSTMENT FOR CALCULATED RECOVERY
                                    10120 X0-EXF((Y0+F0(31)-F0(1))/F0(2))-F0(32)
10130 GD TD 10170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IF INT((N-1)/20)*20<>N-1 THEN 10630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -REP("A⊴ent Concentration",29,19)
                                                                                                                                                       10160 REM end of crae statement on 00
                                                                                                                    10150 X0=(YC+P0(31)-P0(1))/P0(2)-P0(32)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MtmPEF("Actual Bata for ",24,14)
                                                                                     no transform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .0400 REM Print out actual Data
 (א)טנבא
                                                                                                                                                                                                         10172, X0=(X0-F(1))/P(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10340 REM Get Airflow
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0250 Y*=SEG(E4,122,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ~SEG(B4,120,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                 9240 X$#SEG(B$+126+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       290 Xt=SEG(B*,124,2)
                                                                                                                                                                                                                                                                                                                X6=SEG(R4,62,7)
                                                                                                                                                                                                                                                                                                                                                0210 X4=SEC(D1,69,7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0350 Y*=SEG(B4,90,7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               X0-X0+807(Y*Z)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 L0-1010101(Y*Z)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0380 NO=NO+00+00/0380
                                                                                                                                                                                                                                                                                                                                                              0000 HO=HO×VAL(X*)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Z+09*(1-X)=Z.02E0
10110 REM Case 1'
                                                                                                                                                                                                                                                                                                                                                                                                 10230 REM Get Time
                                                                                    10140 REM case 3
                                                                                                                                                                                                                                                                           10175 X0=X0/0.945
                                                                                                                                                                                                                                                                                               GUSUB 15000
                                                                                                                                                                                                                                                                                                                               (10-7APL(X$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          :VAL(X$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      X=ANT (Xt)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0220 Y=VAL (Y$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ∤÷፡ ህብተረ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1=".VL (Y$)
                                                                                                                                                                                          10170 YO-X0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Y-X=2 0850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0320
                                                                                                                                                                                                                                                                                                              0610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0410
                                                                                                                                                                                                                                                                                               0180
                                                                                                                                                                                                                                                                                                                               0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0240
                                      +++1++
                                                                                                                        +++1++
                                                                                                                                                                                          +++5+++
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これがないない。 アンカンスクショ

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14000 Y3::SEG(T$,116,2)
14010 IF Y$='ER" UR 'CR'=Y$ UR Y$='RA' DR Y$='LA' THEN 14030
14020 L$=SEG(E$,1,00)
14030 RETURN
                                                                                                                                                                                                                                                                                                                                                                           13999 KEM check if data is from location 'DR', 'OR', 'RA', 'LA'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for Urrer and Lower Confidence Limits
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Solve Linear Regression in Reverse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               U=0.975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.=0.025
                                                                                                                                IF X0=>1,0E-3 THEN 10730
                                                                                                                                                                               IF X0:0.00115 THEN 10822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10,00
                                                                                Xt=SEU(T$,116,2)
                                                                                                                                                                    B4-REP(L4,24,00)
                                                                                                                                                                                                                                                                              H4-KFF(L4, 46,00)
                                                                                                                                                                                                                               B4 - KEF (L $ , 34 , 00)
                                                                                                                                                                                                                                                                                         L1=SEG(T1,120,4)
                       10620 KEM Frint Data
                                                          X4=SEG(T4,21,6)
                                                                                                                                                                                                                                                                                                                  L$=5FG(1$+124+4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            I-VALUES
                                                                                                                                                                                                                                                                                                     Et-REF(L1,56,4)
                                                                                              F$=KEP(X$,15,2)
                                                                                                                                                                                                                                                                                                                             FINE FOLT $ 16214
                                                                      FI4=KEP (X4,5,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Y0, X0
                                                                                                                                                                                                      605UB 50000
                                                                                                                    605UR 58000
                                                                                                                                                                                                                   GUSUR 14000
                                                                                                                                                                                                                                                       C0085 NASOS
                                                                                                                                                                                                                                                                 605UB 14000
                                                                                                                                                                                          L1=STR(U0)
                                                                                                                                                                                                                                           L$=STR(L0)
                                                                                                         L. 1-5TR(X0)
 PRINT 64
                                                                                                                                                                                                                                                                                                                                        FRINT BS
                                                                                                                                                        00=1+00
                                                                                                                                                                                                                                                                                                                                                     RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14995 REH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14773 REM
                                                                                                                               10700
                                                                                                                                                                                                                                         10790
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10822
10824
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01501
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                                                           04-90
                                                                                  0890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14997
                                             1-1-1-1-1-1-1
                                                                                                                                                                                                                                                                                         +++1++
```

Bt:Es B\$-KEF("Sample Location",5,15)

0550 FRINT B4

81=KEP('True',25,4)

00201

0580

20701

R*=KEP(*Lower 952*,32;9) B*=KEP(*Uprer 952*,44;9) B*=KEP(*IIME*,59;4)

15030 YO: (YOHF (31)) "F(29)

15020 REM Transform YO

15060 X7=x0 15610 U3=0

```
A3=T3*(F(11)^2-P(10)*A2)+P(2)*P(2)*A2+B2*(P(10)*B2-2*P(2)*P(11))
IF h3<0 THEN 15190
IF P(0)>A2 THEN 15134
B3=T7(F(0)-2)*SAR(A3*P(6))
                                                                                                                                                                                                                                                                                                                                16000 FRINT Processing OL 1 OF data for 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            F(2) = (F(B) * H5 - H1 * H2) / (F(B) * H3 - H1 * H1)

F(1) = (H2 - F(2) * H1) / F(B)
                                                          B1=F(2)*(Y7-F(1))-F(11)*T3
                                                                                                                                                                                                                                              15190 FRINT "IMAGINARY ROOTS"
                                               15060 AL=F(2)*F(2)-F(10)*T3
IF P(B) 42 THEN 15050
                          15045 00 TO 15060
15050 T3=17(F(0)-2)~2*P(6)
                                                                                                                                                                           B3=1,96*SBR(A3*F(6))
                                                                     A9-(X71F(30)) 7P(7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  M3-M3+X1(I) #X1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NE-HSEX1(1)*Y1(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             M4-N44Y1(I) #Y1(I)
                                                                                                                                                                                                                                                                                                                                                                               1F N=0 THEN 16570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FOR I=1 TO P(8)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13=3.8416#P(6)
                                                                                                                                                                                       X7=(fillH3)/A1
                                                                                                                                                                                                              16/(EH-19)=CX 0512.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            F(10)=F(B)/C
                                                                                                                                                                                                                                                                                                                                                                                                                                      605UB 25060
F(13)=CB
F(14)=Ai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         M1:-M1+X1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MR=MR+Y1(I)
                                                                                                                                                                G9 T0 15140
                                                                                                                                                                                                                                                                                                                                                                                                                             20000
                                                                                            42=47-P(12)
                                                                                                                                                                                                   15150 L0=X7-P(32)
                                                                                                                                                                                                                          U0=X7-F(32)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         P(11)=M1/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P(12)-M3/C
                                                                                                                                                                                                                                                                                                                                                                    G05UB 7000
                                                                                                                                                                                                                                                                                                                                                                                                                   COUNT 3000
                                                                                                                                                                                                                                                            5200 L0+10000
                                                                                                                                                                                                                                                                        5210 X7-10000
                                                                                                                                                                                                                                                                                  15220 U0=10000
                                                                                                                                                                                                                                                                                                                                                                                                       5060 F(3)=3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    F(0)=N
                                                                                                                                                                                                                                      KE LUKN
                                                                                                                                                                                                                                                                                                15,36 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                #030U
                                                                                                                                                                                                                                                                                                                                                         $050 Ut-.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 M.3::0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            M-1::0
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ان بر
                                                                                                                                                                                                                                                                                                                                             0=0 C=0
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06121
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   15042
              5044
                                                                       0805
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                                                                                                                                         5127
                                                                                                                                                                            15134
                                                                                                                    5120
                                    1111111
                                                                                                                                                                            +++1++
                                                                                                                                                                                                                                                 +++1++
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15040 Y7-Y0

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S(H2(J))=S(H2(J))+(K1(J)-H7(H2(J))/NO(H2(J))
                                                                                                                                                                                                                                                                                                                                                                                                                                                         19996 KEM yerform BAKTLETT'S TEST for hombweneitw
19997 KEM F(6),F(7),Y2(J);X2(NO(J)),K$G8.M1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             find variance for each level
                                              11-11-(Y1(I)-F(I)-F(2)*X1(I))"2
                                                                               B(23)=1-D/(H4-H2#H2/P(B))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20160 KLM find enoled variance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IF N2(J)=-1 THEN 20110
                                                                                                                                                                  List Found on Target '108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               R+610(1)-1)*S(1)/83+A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S(J)=S(J)/(NO(J)-1)
1F S(J)=0 THEN 20370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20000 UN SIZE THEN 20370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20020 IF N=0 THEN 20370
                              FOR 1=1 TO P(8)
                                                                                                                                                                                                                                                                 16490 D$-SEG(B$,14,2)
                                                                                              16390 P(6)=B/(P(B)-2)
                                                                                                                                                                                                                                                                                                                                                       3540 U$+SEG(84,16,2)
                                                                                                                                                                                                                                                                                                    6510 US-SEG(R$112,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20120 FOR J=1 TO K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20070 FUR J-1 TO N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N 01 1-1 8 7 6919
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20220 G4-A7(N7-K)
                                                                                                                                                                                                                                                                                                                                                                                        COSUR 61000
                                                                                                                                                                                                                                                  16480 Y$= 'Target'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0009 90309 05667
                                                                                                                                                                                   15440 L$-L$8" - *
                                                                                                                                   16410 P(29)=1
16420 P(27)=P(6)
                                                                                                                                                                                                                  16460 DIN Y$ (30)
                                                                                                                                                                                                                                     .15470 Xt="Foinid"
                                                                                                                                                                                                                                                                                     ./.2111=811
                                                                                                                                                                                                                                                                                                                                      16320 F(5)=P(2)
                                                                                                                                                                                                  .6450 L$=L$3N$
                                                                                                                                                                                                                                                                                                                       *M2 1-1-1-1
                                                                                                                                                                                                                                                                                                                                                                         6550 D4=F48W4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L TAIN OFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DITO NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COLEO HEXT J
                                                                                                                                                                                                                                                                                                                                                                                                         15570 RETURN
                                                             NEXT I
                                                                                                                  14400 F(9)=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1-203 0100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            79170 And 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20030 53:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1-23 0010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19998 KIM
                                                                                                                                                                                                                                                                                                                                                                                                                                     19995 REH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.5 0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20040 Se0
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                                                                                                                                                                                                                                                                                                                                                                                     09:3
                                                                7360
                                                                                                                                                                                                                                                                                                                                                                                                       111111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1111111
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16310 P(4)=P(1)

COSTO FIRST SANTESTES NOT defined for data set 'HAS 00252 R3H1 Z-2011(101/20-19714) 0373 FOR J-1 10 A 20330 A-(80(0)-1)#E05(SCJ)/S3)+A STAYY NEW CHI-SOURKE DISTRIBUTION 20030 KEM find correction factor J/(#-(12) 01-(14) 4) 4(00(54) - 4)/C LUZZO BEM TING CHI-SGUAKE 7555 IF CB +0 THEN 20390 4.8 159 THEN 25020 CC-70 THEM 25030 20126 IF A.100 THER 20450 2F U'A THEP 25320 A-12 (NO C)3-13+A - 4-30 C-1(A) (31(N,1)) 1111(1-1) 143 1 1 4 - 1 - 4 1 B 27,129 0.5 (100.00 mg/2) 3715 JAD 01:400 J. 10 47 0.000 CAND NETOKA 1 4-14 05:0 5-6 61 CE 101140 81201 1417411

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12.75 FUM USCLESSED IN COSTATING NUMBER IN CHARACTER FORM THAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SD. DDD WITH LENGTH OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUM ROUTING TO PRINT NUMBERS TO 3 DECIMAL PLACES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A1-1#(0.31930153+1#(-0.356563782+1.781477937#1))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A1-51+1/(124X)-1/(360+X+X+X)+1/(1260+X+X+XX+XX)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FESULIANI STRING ISIPASSED BACK IN LA FORMAT OF RESULT SD. DDD WITH LENGTH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Al=Al+f*f*f*f*f*-1.821255978+1,330274429#T)
                                                                                                                    ABS(A2/B2-A1/B1)>1.0E-8 THEN 25340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CV=(1-X#X+2#X#1 OG(X))/((1-X)#(1-X))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A1..508(17(24/1))4EXP(-C94C9/2)4A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                             A1-(X-0.5)#(06(X)-X+0.5#L06(2#P1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 [+1/(110,23164191ALS(C9))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF ALS.(C9) 20 THEN 25780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IF X=0 GR X=1 THEN 25690
                                                                              A1-C9+A2+A2-(A+I) &U#A1
                                                                                             BI-CYESTES-(AHI) BURBI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C9-F115SOR ( C11C9) /U)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1F CS & THUN 25275
                                                                                                                                                                                                                                               25470 IF X.10 THEN 25500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HI-U11/3-A-0.02/A
                                                                                                                                                                          A1 - A1 (06(U) -U-A1
                                                    A2-C9+A1+I#U#A2
                                                                                                                                                                                           Als1-C98CXP(AL)
                                                                 B2-C7#81+I#U#B2
                                                                                                                                                                                                                                                                                                                    FOR 1=0 TO A2-1
                                                                                                                                                                                                                                                                                                                                                                                                      A1-A1-L06(811
                                                                                                                                                                                                                                                                                         20500 A2=10-INT(X)
                                                                                                                                                                                                                                                                                                                                  B1-B1#(X+1)
                                                                                                                                                                                                                                                            60508 25400
KE TUKN
                                                                                                                                                              GUSUR 25470
                                                                                                                                                                                                                                                                                                                                                                         GUSUB 25600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15 the 60 TO 25759
                                                                                                                                   C9-E1/A1
                                       CVACALAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A1-6-0.5
                         41-141-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A1-1-11
RETURN
             KI-14A
                                                                                                                                                                                                         2 101 34
                                                                                                                                                                                                                                                                                                                                                             X: XIA2
                                                                                                                                                                                                                                                                                                                                                                                         CV XTX
                                                                                                                                                                                                                                                                                                                                                                                                                    1.C.T.U.L.11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MC10KW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  X-41/U
                                                                                                                                                                                                                                                                                                                                                1 1x 1x 0x11.
                                                                                                                                                   X-A+1
                                                                                                                                                                                                                                                                                                       1 = 18
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57787 FEB
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015:3
                        15.50
                                                               5.470
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                                       25340
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                                                                                                                     21100
                                                                                                                                    23410
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                                                                                                                                                                                         21,450
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            ++11++
                                      +++1+++
                                                                                                                                                                                                                                                                                       +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ++11+1
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A1-C9*EXP(F2-A1)

25300

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.ENKOR **** FILE ":F$;" NOT FOUND"
                                                                                                                 KEH HUMBER IS IN SCIENTIFIC NOTATION
                                                                                                                                                                                                                                                                             60 10 -00 OF 58200,58190,58180
                                                                                                                                                                                                                                                                                                                                                                                                                              GG250 REM SECTON TO PRINT DUT $20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       J3-5FG(B$+1+3)
IE J$ ** 1ES* THEN 60300
18010 IF NE-** THEN 58120
                          00=F08(1 $, *E*, 1)
19 00 10 10 10 10 58070
                                                                                                                                                        00-VAL (N#)
TF 00:0 THEN 58260
IF 00 -4 THEN 58150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02107 NJH1 46-14 JI 021-9
                                                                                                                                            K*=SEG (1.$, 80+1,4)
                                                                                                                                                                                                                                                                                                                                       L1-5F6(L1,2,00+1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1F A=1 1HLN 66140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SPRING Z DEEN SPRING Z DEEN SPRING Z DEEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COLESSAS 5
                                                         $4040 L$- $EG(L$,1,6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                        58270 LL-5E64L4.1.5)
                                                                                                                                                                                                                                                  N 1 - CEG (L 1 - 1 - 1)
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60150 FEINT 6U2,2:

A1340 PKINF GUZIPS

41350 FRINF GUZIP

51390 FFINF GUZIZ

51460 FKINF GUZIZ

51405 FELEIE X2,Y2

51405 FELEIE X2,Y2

51405 FELEIE X2,Y2

51405 FELEIE X2,Y2

51405 FFINF GUZIZ

61406 FFINF GUZIZ

61406 FFINF GUZIZ

61406 FFINF GUZIZ

71400 FFINF GUZIZ

61400 FFINF GUZIZ

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DIM H1(20), 11(20), T(24), T$(40), X$(30), Y$(30), P(34), L$(60), A$(3)
                                                                                                                                                                 KEH* GET LIST OF FILES TO BE PLOTYED REH*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RENA SET DEFAULT PLOT PARAMETER
                                                                                                                                                                                                                                        If Imi and Ami THEN 2060
                                                                                                                                                                                                                                                                                                                                                                                                                                          1F F(8) -0 THEN 2040
                                                                                                                                                                                                                                                                                                         START FLOT 1.00P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                HTM: X(F(B))+Y(F(B))
                                                                                                                                                                                                                                                          IAPUT 002,5811(2)
AF 11(2)=2 THEN 330
                                                                                                                                                                                                                                                                                                                                                                                                                           II 1901 THEN 530
                                                                                                                                                                                                                                                                                                                                  FOR 19=1 TO TI(1)
                                                                                                             1F A=1 THEN 2050 INFU! RUP: 104: E4
                                                                                                                                                                                                                                                                                                                                           FIRE GUZ:0 FIRE GUZ:N1(19)
                                                                                                                                                                                                                                                   (I) IN: (I)
                    LIM fis(8), U$(8)
                                                                                                                                        FRINT QUISTIZEA
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INFUT GUZIXA
INFUT GUZIXA
 DATA 33,11,32
                                                                                                 INFUL PURAGO
                                                                                                                                                                                           F1 "FLOTFILES"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFUT BUSIXAY
           KEAD U1, U2, U3
                                                                                                                                                                                                                                THEUT QU2,6:A
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                                                                                                                                                                                                                                                                                                                                                              INFUT PURIZE
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FIND EU2:0
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T(5)-LENGTH-UF-K-AXI8				
		5 5	10/7	SIDE OF PLOT
EEN TOAD-HIN X-VALUE DESBRAPH EEN TOAD-HIN Y VALUE	UlEWFORT 0.130,0,100 UIMIGM 0.130,0,100 T.0 T.0 T(1) -P(B) I(2) -2 I(3) -1 I(4) -10 I(5) -1 I(9) -1 I(19) -1 I(19) -1 I(19) -1 I(19) -1 I(19) -1 I(19) -1	KEN LAREL FLOT KO-111LE GRAPH KO-57 YO-97 FAGE HUUSE BUSIXO.YO FKINT BUSIL* KEM BUMF X AXIS TITLE XG-T(5)/2+T(4)-LEN(X*)*7/ YO-7/	HOVE 603:X0,YO FRINT 803:X6 KEN DUNE Y AXIS LABEL X0=3 Y0=T(15)/2+F(14)+LEN(Y*)*10 HOVE 903:X0,YO FRINT 903: Z*=SEGGY*LZ,1) FRINT 803:Z*1	KEM BISPLAY INFO ON RIGHT XO=T(4) IT(5)+5 YO=T(1A)+T(15)-2 HOUE GUSIXO,YO FRATE GUSIXO,YO FWLHF GUSIXO,YO FWLHF GUSIXO,YO FWLHF GUSIXO,YO PKLHF GUSIXO,YO FKLHF GUSIXO FKL
610	1+++ 620 640 640 640 640 640 640 670 700 710 720 730 730	250 270 270 270 270 310 310 830 830		920 980 990 1000 1000 1000 1000 1000

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MOVE GU31X0+19,YO
FRIMI GU3: USING 11201**!P(14)1**1
IF F(20)=0 THEN 1210
FRIMI GU3: USING 11201*/*!P(20)1**1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FRINT @US: USING 1280: 3# *,P(4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRINE PUSIXOTTO,YO
                                                                                                                                          HOVE GU3:X0+19,Y0
FRIMI GU3: USING 1220:**1P(23)
                                                                                                                                                                                                               MOVE GU3:XO+T9,YO
FKINI GU3: USING 1280;**;P(27)
                                                                                                                                                                                                                                                                                               HAGE FA.30.20.FA.20.30.FA.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEINT EU3: 5(X) = c(X + e)^d.
                                                                                                                                                                                                                                                                                                                     GO 10 F(3) OF 1480,1450,1510
                                                                                                                                                                                                                                                                                                                                                                                                                                               no transform
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                                                                                                                                                                                                                                                                                                                                           Y=In(Y)
                                                                                                                                                                                                                                                                                                                                                                                             X=1r(X)
                                                                                                                      FKINT GU31.R-SOUAKED:
                                                                                                                                                                                                                                                                                                                                                              603: 1n(Y)=24bX*
                             FRINT BUSI BARTLETTS:
                                                                                                                                                                                                                                                         RINT PUB: PARAMETERS.
                                                                                                                                                                                                                                                                              IMAGE FA, 20.30, FA, S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1F F(7) -0 THEN 1720
                                                                                                                                                                                                                                                                     10VE PU3:X0,Y0-0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FRINT QU3: *Y=a+bX*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HOVE GUS:X0+T9,Y0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOVE RU3:X9FY9,Y0
                                                                                                                                                                                            FRINT BUS: *MSE:
                   MOVE BUSIXO, YO
                                                                                                   IMPLE FAIZBIRD
                                                                                                                                                                                                                                             10VE 8U3:X0,Y0
                                                                                                                                                                                                                                                                                                             MOVE BUSIXO, YO
                                                                                                              MUVE BU3:X0,Y0
                                                                                                                                                                                  MOVE UUS:XO,YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MUNE BUSIXO, YO
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                                        Y0=Y0-3
                                                                                         10=Y0-3
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MOVE QUSTXO+19,YO

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2050 PRINT "THERE ARE NO FLOT FILES CURRENTLY QUEUED TO BE PRINTED"
                                                                                                                                                                                                                                                                                                                                                                                                                                                  WINT "HO YOU WANT A PLOTTER PLOT OF THIS PLOT? (YZN)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2040 FRINT 'NO DATA SETS FOUND ON THIS TAPE .
                                                                                  FEIRT PUS: USING 1280: * * * P(30)
                                                                                                                                                                                                                                                         .,P(31)
                                                                                                                                                                                                                                                                                                          FKINT PUS: USING 1280:*# = *,P(29)
                                                                                                                                                                                                                                                                                                                                                 FKINT @U3: USING 1280: h = ., P(32)
FRINT @U3: USING 1280: *c= .,F(4)
                                          FKINT 6U3: USING 12001*4# *,P(7)
                                                                                                                                                                                                                                                                                                                                                                               DRAW PUSIT(4)+F(5),F(14)+F(15)
                                                                                                                                                                                                                                                      FRINT BUSE USING 1280: * #
                                                                                                                                                                     FRINT BUSTOY = (Y + f)-g.
                                                                                                                                                                                                                                                                                                                                                                 MOVE @U3:1(4)+T(5),T(14)
                                                                                                                            IF P(3) 02 THEN 1740 PRINT PUBLY: = f - Y*
                                                                                                                                                                                                             FRINT GUS: *X + h.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HIS ... YTHEN 1980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2070 KCHK PLOT SUBROUTINES
                                                                                                                                                                                                                                                                                  MOVE @U3:X0+T9,Y0
IF F(3)=2 THEN 1850
                              MUVE RU3:X04T9,Y0
                                                                      OK-6140X:EDB JANK
                                                                                                                                                                                                                                                                                                                                  MOVE QUS:XOTT9.YO
                                                                                                                                                                                                                                         MOUE PUSTXO+19,YO
                                                                                                                                                                                                                                                                                                                                                                                                                        U3≈1 THEN 1980
INT *78J*.
                                                                                                                 HOVE PUB:X0, YO
                                                                                                                                                                                               MOVE @U3:X0,Y0
                                                                                                                                                        GU YO 1750
                                                                                                                                                                                                                                                                                                                                                                                                           GUSUR 1000
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                  Y0-Y0-3
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2130 GUSUR 3160 2110 U9=14

2110 REM\$

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2450 PKINT BU3,2110 MAX R3-(LEN(U$)+1)#1,78#0,5,1(14)-
                                                                                                                                                                                                                                                2350 FRINT BU3,21:0 HAX T(4)-(LEN(U$)+1)*1.78.K3-0.89
2350 FRINT BU3:U$:
                                                                                                                                           FKIRT BU3: *Y axist 10~*; Y2
VIEWFURT I(4), I(4), I(5), I(14), I(14), I(15)
                                                                                                                                                                   WINGOU [(6), T(6), 1(3), T(16), T(16) + T(17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GO TO T(3) OF 2910,2640,2700,2770,2840
                                     FRINT PUBL'SCALE FACTORSI'
                                                                                                      FRINT RUSI'X AXIS: 10". 1X2
                                                                                                                                                                                                                                 U$ =8 FK(T(16)+(J-1)*T(18))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S2=T(14+3)/T(14+1)*0.75
                                                                                                                                                                                                                                                                                                                                                                     2440 U$=SIK(T(6)+(J-1)*T(B))
                                                                                                                                                                                                         R2=1(18)/(f(17)/f(15))
                                                                                                                                                                                                                                                                                                                                                                                                                                                             GR J=1 TO T(1)
IF T(2)<21 THEN 2540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       51=1(4+3)/1(4+1)*0.75
                                                                                                                                                                                                                                                                        TF J>T(19) THEN 2410
                                                                                                                                                                                  AXIS 0U3:T(8),T(18)
                                                                                                                                                                                                                                                                                                                                                                                                           IF JET (9) THEN 2510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DO TO 25/0 (D) (Y(J)
                                                                                                                                                                                                                                                                                                                               2410 K2=T(8)/(T(7)/T(5))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOVE PUSIX(J),Y(J)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RHUVE PU3:0,52
FERMAN PU3:51,-2*52
                                                   MUVE BU3:X0,Y0-0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         J21 THEN 2560
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KDRAW 003:0,52
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                                                                                                                              HOVE GUS:X0,Y0
                        MOVE BUSIXO, YO
                                                                                          MOVE PUBIXO, YO
                                 2190 FKINT PU3: SCA
2200 MUVE PU3:XO,YC
2210 FKINT PU3:
                                                                                                                                                                                                                                                                                                                                                                                               FRINT QUESTURE
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                                                                                                                                                                                                                         K3=[(14)
                                                                                                                                                                                                                                                                                       R3=R3+R2
                                                                                                                                                                                                                                                                                                                                                                                                                         K3=K3+K2
                                                                                                                                                                                                                                                                                                                                          2420, K3=T(4)
            10-110-5
                                                                         2220 Y0=Y0-4
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	2960	T(17)=-T(22)						
	2970	FOR J=1 10	r(1)			٠	٠	
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	2990	1(12)=1(12)	YEAR YELS				r	
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$6(4)=INT(INT(6ES(S0(5)))*$BN($0(5))/$6(3))
IF $6(5)=>1 THEN 3440
                                                                                                                                                                                                                                                                                                         50(1)=50(3)*(1N1(ABS(50(5)))*5GN(50(5)))
50(5)=(1(U9+3)+1(U9+2))/50(3)
                                                                                                                                                                                                                                                                                                                                                            IF SO(5) 0 THEN 3400
SO(5) ± SO(5) +0,9999
SO(2) ± SO(3) #(INT(ABS(SO(5))) #5GN(SO(5)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3220 FRINT "CRKOR *** FILE "#F$ NOT FOUNT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1(U946)=1,75*T(U9+3)/T(U9+1)
SO(5) =>10 THEN 3290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         J#SEG(#411/3)
IF J#©*** THEN 3970
                                       50(3) -50(4) 45.
IF 50(5) -25 THEN 3310
                                                                                                                                                                                                                                      IF 50(5)=>0 THEN 3360
50(5)=50(5)-0.9999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF SO(3)=41 THEN 3490
                                                                                                                                        50(5)=>2 THEN 3330
                                                                                                                                                                                               30(5)=1(0912)/50(3)
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T(U9+3)=50(2)-50(1)
T(U9+4)=50(3)
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60 TO 3690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       80(5)=80(5)-80(1)
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Jf=SEG(B4,4,10)
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                                                                                                    50(3)=50(4)#2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3530 REA* (Ft,N9)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              50(3)+50(5)
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                                                                                                                                                                      50(3)=50(4)
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SUCCEPTIFY THATA TAPE IN EXTERNAL TAPE UNIT IS NOT A IDS DATA TAPE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PLAW BUSTUFFER AND LOWER CONFIDENCE LINITS
                                                                                                  SOLO ININI 'SINE HOES NOT MATCH INTERNAL NAME ** 1340 INIO ININI 'SINE X MAYE ** 1540 INIEKHAL NAME ** 134
                                                                                                                                                                                                                                                                                                   4000 KEHS FLUT BATA, CURVE AND CONFIDENCE LIMITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4210 FOUR EUSINGMIGT-XZ,F(16)#107-Y2
4250 FOS Y5-F(16) FG F(10)+F(17) GTEP F(17)/100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18 1 (5)-2 AND 13 (#*P(31) THEN 4470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         W1771 ORIGO-X2+11151#107-Y2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              T(15)-T(15)+0.01#T(12)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4110 ((16)-f(16) MAX 0.01#1(17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ALSO REMI FIRM CESTROED DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                          4050 1(4)=f(6)=0,18f(7)
479 f(6)=f(5) 40x 0.018f(7)
4740 f(7)=f(7)=f(7)=f(7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4139 1(14)*f(14)-0.05#1(17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ASYO REMA ABSUST T-KANGE
                                                                  0245 N3H1 41 4:
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3969 34-St 6(83,1,10)
                                                                                                                                                 12:200 IND) 1 (2:05
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                         5070 F-11 401 6)
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HOVE GUSTUORIO-X2.F(16)#107-Y2
FOK Y5-(TAIS)-T(17))#D7 TO (T(14)+F(17))#D7 BTEP.T(17)/100#D7
TT F(3)=2 AND Y5<*-F(31) THEN 4620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        X4. UCANING - Detection Limit EGRGRBOOR.
                                                                                                                                                                                                                                                                                                                                                                                                                    X4-10FTECTION LIMIT IS -
                                   DENM FUSILO 1107-X2, Y5107-Y2
                                                                                                                                                                                                                                               Fish a wustuosion-x2.Y5sion-Y2
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Account of Colorate (CA) - LEM (KB) 8779
Account of Color (CA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YOUT ($1/21/4)-(EN(XE)17/8
                                                                                                                                                                                                                                                                                                     IF X (15) 40 THEN 4670
                                                                                                                                                                                                                                                                                                                    [4+14 HIM X(15)810"X2
                                                                                                                                                                                                                                                                                                                                                                          VIELFORT 0-130.0-100
                                                   IF 10-0 THEN 4470
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COSOB 4950
60SUB 4420
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4500 70-1(1b)
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0044

THE LIBEAR REGRESSION IN REVERSE FOR XO

THUS REME TRANSFURM YO

(0) (0)

4110 1124 4000 FF46 * * * · ·

51.0 H3-13F(11) 2-13F(10)*A2+F(2)~2*A2+F(10)*B272-2*P(2)*F(11)*B2 5.121 IF A5H-0 DHEM 5150 SOLVE LINEAR REGRESSION IN REVERSE FOR OUT ER AND LOWER CONFINENCE LIMITS 10 as the lower curve if slore as rosative F051110# ンしてととこと 15 the lover corve of slore of newation Stringfor outline under Kootsi Execution halted TE F (3)-12 AND YOUNF (31) THEN 4932 VINOTASM Inverse functional Transform 80 to the urran curve of CUTVE 1 £13(11) \$ ((1) 0 0) \$ (()) (30.001.0100) 1.4.025 2749 (SM Spectional Transform 41 CO P. S. L. Z. (B. 20) \$50E (B. 3) B. (B. 20) 0404 MUNI 1900 TE F(3): 1 TELN 4920 1020 FEM# Fower Transform 07.02 THEN 59.70 EFRUR FOUTINE 5120 IF F(3) 1 THEN 5180 5170 XO-EXP(XO) 19-1-101F (511) TF (29) 00-10 (401E(31)) TE (29) 10-1-6-6-24-1310-190) CO 51 0'01'0 P(10)*13 10-1002(2rd (31)-70) 15 1 10 F (1)) ZF(Z) 1-66(5).5 1000 1401 (2-H) 7 (H-2) 1041 (6) 01-01:500 300W 8:10 117 - 40 - (FIRE \$) / 41 F(32) (0) 11 (0) (1) (1) 00 KUNDER TELE \$ 00 Other AVAD BENK 0.800 13-6 AND CALL MBY FACE 4000 940 F14 147 M 19 1 614 SLOC KEM H31 //17 43.75 ? :: (11) 0, 1, 0.154 +++1++ 1:4144 ***** +++1++ 4413441

5180 404X0-F(32) 5190 X0-(E1-E3)/A1 +++1:++

Inverse Functional transform 5000 KEH4

5210 IF P(3) <>1 THEN 5230 5220 XO-EXP(XO) 5230 L0-XO-P(32) 5230 E-XO-P(32) 111111

5290 FEM scale X & Y for Flot

+++1+++

5300 FOR Jat 10 T(1) 5310 Y(J)=104Y(J) 5310 NEXT J 5310 Y2-Y2-1 5310 GU 10 2950 5350 FOR Jat 10 T(1) 5350 C(J)=104X(J) 4++1++

95 KEM& OC ANALYSIS

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HATA 3.76,2,394,1.88,1.596,1.41,1.277,1.175,1.094,1.028,0.973,0.925
EAFA 0.834,0.848,0,816,0.788,0.762,0.738,0.717,0.697,0.679,0.662
                                                                                                                                                                                                                                                     EATA 0:0:0:0:0:0:0:03:0:118:0:185:0:239:0:284:0:321:0:354:0:382:0:406
                                                                                                                                                                                                        HATA 0.647,0.532,0.619,0.588,0.577,0.567,0.557,0.548,0.539,0.5303
                                                                                                                                                                                                                                                                                                                                                0,3.267,2,568,2.266,2.089,1.97,1.882,1.815,1.761,1.716,1.679
                                                                                                                                                                                                                                                                                                                                                                  HATA 1.545.1.518.1.594.1.572,1.552,1.534.1.518,1.503,1.49.1.477
FATA 1.465.1.455,1.445.1.435,1.416.1.408.1.401.1.394.1.387.1.381
                                                                                                                                                                                                                                                                            HAIA 0.420:0.448;0.466;0.402;0.497;0.51;0.523;0.534;0.545;0.555
PAIA 0.885;0.884;0.592;0.899;0.406;0.613;0.619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            bin 111(20).11(20),7(24),74(40),X4(30),Y4(30),P(34),L4(60),A4(3)
                                                                                                               HIM UR(U), AI(31), E3(31), E4(31), D4(0), N4(2), H8(31), H9(31)
DIM (8(31), 19(31), U3(31), U9(31), S6(31), S7(31), Y8(31), Y9(31)
                                                                      KFAB 81-82-83
FFM 71(31),72(31),73(31),X(31),Y(31),X9(31)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REMY GET LIST OF FILES TO BE PLOTTED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DIN US(2): 48 (7): C$(130)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15 A=1 THEN 10100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CS-C18, NGOENRER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C1=C13'FECFRECK
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035,26:0
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                        SET DEGNEES
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YB(FG)=F(26)+F5*YB(FB)

IF N1=4 THEN 551

FKUMC 'NO NC FLOT WILL BE FROBUCED FOR 'FH$F' AT LEVEL

FKUMC 'NO NC FLOT WILL BE FROBUCED FOR 'FH$F' AT LEVEL
                                                                                                               323 FRINT "IS THIS THE FIRST STAT RUN FOR TODAY? (YZI)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KEAU F1,F2,F3,F4
INCUT PU2:N1,D7,X9,Y9,H9,U9,L9,Y8,H8,U8,L8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  420 KEMP M9(DB)=(M9(DZ)*(K-1)+P(Z5))/K
420 KEMP M8(D3)=(M8(DZ)*(K-1)+P(Z6))/K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              523 197(19)- n9(10)+3750K(K1)*H9(LB).
535 L9(16)-49(L3)-3750K(K1)*H9(LB).
536 U8(L0)-(1+3750K(2*K1))*H9(LB).
556 L9(L9(B)-(1-3750K(2*K1))*H3(LB).
                  INFUT 8U2:C.P(25),F(26),F(28)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1NFUT 002 08:49:F1:F2:F3:F4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.9 : h7 (P3) - A1 (N1 ) #88 (P9.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            U9-47 (10) (41 (N1) #HB (FB)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      79(118)=P(25)+F5*Y9(EB)
                                                                                                 IF F(28)=4 THEN 330
                                                                                                                                              325 IF AS=*Y* THEN 330
326 FS=1
                                                                                                                                                                                                                                                                                                                                                                                     370 KEMS GET HISTORY O
                                              N9-N2 THEN 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ut. 04 C.D 4 h9 (18)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 B + E 3 + E 1 + E E ( D 3 )
                                                                                                                                                                                                   330 REM# SET X LABEL
                                                                                                                                                                                                                                                                 355 REH# SET X LABEL
                                                                                                                                                                                                                                    350 N4=SEG(114,4,2)
                                                                                                                                                                                                                                                                                                                                                       363 X # = SEG(C # 19)
                                                                                                                                                                                                                                                                                                     A$~SEG(0$,1,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N1=F(28)+FS#K1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CO + UK 1+1 10 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LATA 0.0,000
238 INFUT 6U2:04
                                                                                                                                                                                                                                                                                                                                       A=(A-1)#9+1
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                                                                GO TO 270
                                                                                                                                                                                                                                                                                                                     A-VAL (A$)
                                                                                                                                  324 INPUT A$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                J=(1)6Y
                                 11-24-24
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552 IF ROT(YY(RO) JUY(DO) OR Y9(DO)
             553 F1+1
554 IF NUT(Y8(68)>U8(60)-OR Y8(68)<1.8(68)) THEN 556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               240 Wt . WARNING - FROCESS IS OUT OF CONTROL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            799 E1="ACCURACY CONTROL.CHART FOR ""IM$
                                                               556 REM4 ZEKO DUT DATA FROM DZ TO $8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.0 IF HOT (F1-1 OR F2-7) THEN 950
                                                                                                                                                                                                                                                                                                                                             TF Y9(53)> H9(5B) THEN 690
                                                                                                                                                                                                                                                                                                                                                                                                  1F YELDBY: MECDBY THEN 730
                                                                                                                                                                                                                                                                                           FOR 1-5 TO 1 STEP -1
                                                                                                                                                                                                                                        620 REM# UPBATE WARNING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 780 REM# FLUT OC CHARTS
                                                                                          IF 117-118 THEN 573
                                                                                                                  IF DB>D7 THEN 552
                                                                                                                                                         IF 1-18 THEN 573
                                                                                                                                                                                                                                                                                                           W8(I+1)=W8(I)
W9(I+1)=W9(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         950 REMT GOSUB FLOT
                                                                                                                                                                                                                                                                                                                                                                                                                                                       FOR 1-1 10 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (I)am++J-+J
                                                                                                                                                                                                                                                                                                                                                                                                                             iiù 10 740 ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FD-F2+WY(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 ABS(F2)
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                                       555 13-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Y3=119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    910 Y2=K9
                                                                                                                                                                                                                           573 KEH$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100 to 100
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                                                                                         55.7
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6+616+6
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551 REMA SET WARNING FLAGS

+14544

955 GOSUB 1775

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1990 FKJN1 RU2TK1,10,X9,Y9,H9,U9,L9,Y8,H8,U8,L8,
1910 FKINT RU21W8,W9,F1,F2,F3,F4
                                                                                                                                                                                                                                                   1040 W&** WARNING - FROCESS IS OUT OF CONTROL
                                                                                                                                                                                                                                                                                                                                                         1951 FRINT '10 YOU WANT A 4662 PLOT? (Y/N).
               IF US-10 THEN 967
FRINI 'EO YOU WANT A 4662 FLOTT (Y/N)*
                                                                                                                                Esample CONTROL CHART FOR " 1M5 Usample CHART FOR " 1M5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1775 FIN WE(60), J8(60)
1785 FIN X9(31), Y9(31), Y3(31), T(24)
2009 FGGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1070 NEMA UPDATE HISTORY O FILE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2955 REM HEIGHT OF CHARACTER
                                                                                                                                                                                                                                        IF HUT (F3=1) THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1769 REM# OC PLOT KOUTINES
1765 REM#
                                                                                                                                                                                                                                                                                                                                                                                        48=SEG(88,11,1)
If A$ D*Y* THEN 1067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  POSS RENA HEIGHT OF SPACE
                                                                       IF ASCOVY THEN 967
                                                                                                                                                                                                                                                                                                                                        IF U3=10 THEN 1067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2075 KEM WIDTH GF SPACE
                                                                                                                                                                                                                                                                                1050 KEM4 GOSUB PLOT
                                                         A$=5E6(H$,1,1)
952 FRINT *3KJ*
960 IF U3-10 THE
961 FKINI *10 YO
                                                                                                                                                                                                                                                                                                                           1056 FRINT "CAJ"
                                                                                                                                                                                                                                                                                                              1055 G0SUB 1775
                                                                                                                                                                                                                                                                                                                                                                                                                                   1055 GUSUB 1775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1080 F1- HU- 3M1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1090 G050B 4845
                                                                                                   G0SUB 1775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.70 60 10 230
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                                            INFUL ES
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                                                                                                                                                                           1000 11=LB
                                                                                                                                                                                                                                                                                                                                                                                                                                                  1067 113=32
                                                                                                                                                                                            Y2=148
                                                                                                                                                                                                           Y3=U8
                                                                                                                   U3=32
                                                                                        U3+10
                                                                                                                                                                                                                          811:13
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DRAW 003:F(4)+F(5),F(14)+F(15) DRAW 003:F(4)+F(5),F(14) MUVE @U3:Г(4)+I*3,Т(14)+H4/2 КРКАШ @U3:0,-H4 2315 NEM MGNE LIC MARINS ON X AXIS EMBOVE GU31-H2,-H0

IF 1-0 OR 1>31 THEN 2405

IF 1-10 DIEN 2395

FROME PUS1-H2:0

FREM RUS1-H2:0 PU3: F(4), T(14) FF(15) 2095 KEM WIDTH OF CHARACTER CILS REM HEIGHT OF TIC MARK PAIS REM PRINT OUT WARNING 2135 REM WIBTH OF TIC MARK 2145 H5=2 2155 VIEWFORT 0+130+0+100 2155 WINROW 0+130+0+100 2325 FOR 1=0 TO 34 STEP 2 2205 BRAW #US:T(4),T(14) REM LABEL THE MARK @11317(4),T(14) 2255 KEN BOX GRAPH 2195 REM X BONAIN 2235 KEM Y RANGE 2175 REM X HIN SELS REM Y MIN 2420 A=LEN(UF) 2421 Y0=96 2205 T(5)=105 2225 1(14)-10 2245 T(15)=75 2105 T(4)=15 2105 H3=1,55 NEXT I 2125 H4=17 MUVE Mysya 2355 2265 2345 +++1+++

2005 H2=1.79

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NOW DO PLOTS
                                                                                       2465 REM DRAW GU3:BOX AROUND WARNING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Y0=T(14)+(T(15)+LEN(Y*)*H0)/2
HGVE @U3:X0,Y0
                                                                                                                                  2485 RINKAW BU310,5*H0/3
2495 RUKAW BU31(LEN(W$)+1)#H2,0 .
2505 RUKAW BU310,-54H0/3
2515 RDKAW BU31-(LEN(W$)+1)*H2,0
                                                                                                                                                                                                                                                          2545 X0=T(4)+(T(5)-LEN(E4)*H2)/2
2555 HOVE BU3;X0-Y0
2555 FKINT BU3;E4;
              X0=F(4)+(T(5)-LEN(W4)*H2)/2
                                                                                                                                                                                                                                                                                                                                                                                                                             2635 X0=I(4)+(I(5)-LEN(X*)*H2)/2
2645 HOVE RU31X0+Y0
                                                                                                                                                                                                                                                                                                                      X0=F(4)+(T(5)-LEN(J$)*H2)/2
MDVE @U3:X0,Y0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2745 REM END OF PRELIMINARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2705 FOR I=1 TO LER(Y$) STEP 1
2715 - 24=5EG(Y$,I,1)
                                                                                                                    MOVE @U3:X0-H2/2,Y0-H0/3
                                                                                                                                                                                                                                                                                                                                                                               2615 REM FRINT X AXIS LABEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IF Y(I) <= 0 THEN 2761
Y4=Y4 MIN Y(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF Y1(1) (0 THEN 2763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEINT GUSIZASTAL
2523 IP-AC2 THEN 2535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2645 REM Y AXIS LABEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Y4=Y4 MIN Y1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2755 KEM SET UP STUFF
                                                                                                                                                                                                             2525 REH WRITE TITLE
             2425 X0×T(4)+(T(5)-L
2425 Yu=94
2445 MOVE PU3110×Y0
                                                                                                                                                                                                                                                                                                                                                                                                               YO=1(14)-3*HO
                                                       2455 FRINT @U3:W$;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FUK 1=1 10 31
                                                                                                                                                                                                                                                                                                                                                     PRINT 603:344
                                                                                                                                                                                                                                                                                                                                                                                                                                                            26.05 PRINT @U31X44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Y5=Y3(1)
I=(Y5-Y4)/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01=Y5+I
GU TO 2780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     r5 +~100000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Y4=100000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2746 Y4=Y1(1)
                                                                                                                                                                                                                                           2535 YO-YO-5
                                                                                                                                                                                                                                                                                                           Y0-Y0-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           00=Y4-I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2715 24=5EG
2725 FRINT
2735 NEXT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2675 X0=3
2685 Y0=T(
2695 HGVE
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3.

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2770 KEM IN HERE GOES CODE TO PICK NEAT ENDPOINTS FOR Y-AXIS
                                                                                     VIEUFORF I(4), I(4)+I(5), I(14), I(14)+I(15)
                                                                                                                                                                                                                                                                                    VIEWFORT 1(4), T(4)+T(5), T(14), T(14)+T(15)
                                                                                                                                                                                                                  VIEWFORT T(4),T(4) HT(5),0,T(15)
WINDOW 0,35,00,01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KDRAW EU3:0,Y1(I+1)-Y1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KUEAU 007:0, Y3(141) - Y3(1)
                                                                                                                                                                                                                                                                        FRINI GUSIGAI" = "1Y(D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CHIDELECTRICATION ASCULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MUDE BUSIX(I+I),7(I+U)
                                                                                                                                 16 Y(1)<0 THEN 2045
16 Y(1)>01 THEN 9400
16 Y(1)<00 THEN 9500
                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF Y1(1):0 THEN 2900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2785 FOR I=1 TO D-1 STEP 1
                                                                                                                                                                                                                                                                                                                                                                                                                               MOVÉ 6U3:0,71(1)
FOR I=1 10 D-1 STEP 1
                                                                                                                FOR I=1 TO B STEP 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DRAW RU3:X(I),Y1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF Y(I)<0 THEN 3015
                                                                                                                                                                        MOVE RUSIX(I), Y(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DEEM PUB:X(I), Y3(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DK6W @U3:X(0),Y1(D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TRAM QU3:X(D),Y3(D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FUK 1-1 10 4 STEP 1
                                                                                                    MIRHUW 0:35,00,01
                                                                                                                                                                                                                                                                                                    MINDON 0,35,00,01
                                                                                                                                                                                                                                                                                                                                 MOVE @U310,Y1(1)
                                                                                                                                                                                                                                                                                                                                                                                        MOVE @U3:0:Y2(1)
                                                                                                                                                                                                                                                                                                                                                            MOVE @U3:35, Y3(1)
                 YS=YS NAX Y3(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RMOVE 803:0.5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KHEAW 003:0.5,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MBVE @U3:0, Y3(1)
                                                                                                                                                                                                                                                                                                                                                                           DRAW 803:0, Y3(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KMOVE 0U3:0.5.0
YS=YS MAX Y(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KPKA9 003:0.5,0
                                                                                                                                                                                                                                             61-SEB(E1113)
                                                                                                                                                                                                                                                           MOVE RU3:0,00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GO TO 2905.
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                                                                                                                                                                                      GOSUR 3185
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                                2765 NEXT I
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5126 OLD
5125 FRINT THATA TAFE IN EXTERNAL TAFE UNIT IS NOT A IDS DATA TAPE.
5185 FRINT 002:21
                                                               FRINT FILE DOES NOT MATCH INTERNAL NAME.
FRINT FUREX NAME a.;F*; INTERNAL NAME a.;J*
FRINT 802,2;
                                                                                                                                                                                                                                                                                                                                                   RENAUL - PRINIED CHARACTER HEIGHT
RENAUC - WINTH OF SPACE
RENAUS - WINTH OF A CHARACTER
                                                                                                                                                                                                                                                                                                                                       REMAND - PRINTED LINE HEIGHT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 DK (-270 TO 360 STEP 50/2*3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOVE PU3:X04H2*1.1,Y0+0.1*H0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FOR 140 10 180 STEP 50*3/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4840 HOVE PU3:X0+H0/20,Y0+H2/20
6850 KERNA PU3:H3/S0,H1#5/S0
6860 FOR I=1 TO S0/2
                                                                                                                                                                                                    5405 KEM* FEOT OBSERVED DATA
                                                                                                                                                                                                                                                                                               VIEWFURT 0:130:0:100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5090 FOR I=1 TO 5072
6700 FURAM EU310,-111/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REPORT 6031-111750+0
                           HIM JA(F)
IF JACZES THEN 5135
                                                                                                                                                                                                                                                                                                            5740 WINDOW 0,150,0,100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RIERAW @U3:0.H1/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REERAW @U311.1/50,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FOR 1=1 10 50/2
REGAM @U3:H1/50,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KERSW @U3:H1/50,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FOR 1-1 TO 50/2
5085 14-5EG(bs,11,10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RUTATE 1+270
                                                                                                                                                                                                                                                        6715 REMADRAU HU
                                                                                                                                                                                                                                                                                  SET DEGREES
                                                                                                                                                                                                                             5415 GOSUR 3395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 319108
               F=LEN(F+)
                                                                                                                                                                                                                                                                                                                                                                                                                      HO:2:02
                                                                                                                                                                                                                                                                                                                                                                                                                                   011-1108
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                                                     RETURN
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9460 REM RGUTINE TO DRAW ARRROW POINTING UP
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                                    REMAND - FRINTED LINE HEIGHT
REMANI - FRINTED CHARACTER HEIGHT
REMAN2 - WIDTH OF SPACE
REMAN3 - WIDTH OF A CHARACTER.
                                                                                                                                                                                                                8999 REM KOUTINE TO LAKEL Y AXIS
                                                                                             MOVE @U31X0-H1/2,YQ
FOR I=-95 TO 265 STEP 15
FOTATE 1
                                                                                                                                 RDRAW @U3:H3/50*1.3.0
                                                                                                                                                                   КНКАШ @U3:0,-10жH3/S0
КНОVE @U3:H3,0
VIEUFORT 0,130,0,100
             WINEDW 0,130,0,100
                                                                                                                                                                                                                                                                                                    MOVE BUSIO, Y1(1)
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                                                                                                                                                                                                                                                                                                                                                                                        HOVE PUSTONYZOD
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                                                                                                                                                                                                                                                                                                                 FOR Iml TO 0041 FRINT QUS: 11. P.
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9430 GO TO 2845
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9530 FKINE EU3:L$}
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7999 KCH#PRAW RHD

61630 REM ROUTINE TO PRINT NUMBERS TO 3 DECIMAL PLACES
617-10 REMLEGIFASSED IN CONTAINING NUMBER IN CHARACTER FORM THAT
61070 REM IS 10 BE FRINIED OUT TO 3 DECIMAL PLACES
61030 NEM RECOULANT STRING ISTPASSED DACK IN L4
51540 REM FORMAT OF RESULT SD. DUD WITH LENGTH OF 6 17.00 THING THO BE PLOTS ARE AVAILABLE FOR PLOTTING. TOTOGO FRIME "ERKINK MITH HISTORY TAPE FILE NUMBER 2" 61790 FER NUMBER IS IN SCIENTIFIC NOTATION 14 (10 GF 61820,61810,61800 41989 REM SECTOR TO FRIME OUT 650 616:0 00-F0S(18.*E*,13 51:50 IF 00:0 HER 61700 03/19 N 3H V - 9D IF 00.6 FHEN 61880 CHEO. CHEORETOR PROPERTY 61710 Kt = SEG(L \$ + 00+1+4) A14 70 1 1 = 5 E 13 (L 1 + 1 + 6) NO 1 1-11 10 C 11 11 11 400 10 14 18 18 (*** 1241) 61690 15 1556 (L\$ 11.5) (# 4) K 3 (4) 0 (0) 1 (1) (1) 21710 LAC 01030" OC-VAL (NS) . 6.237.4.4 .C. 114-14 600.12 51.700 LS 1.55"E" 41110 14 6.68E. \$1.157. A drill occur 70 FLTB 4 KARLES 072.15 614479 KL 10874 5.03 A-20 (VIC.) 10001 1001 10.00 OLD 61730 61...0 07/17 111111 +++1+++ * + + 7 * + ! 111111 1 + 1 7 - - 2 ****** 111111 111111

9550 GO TO 2845

A TO THE COLUMN CONTROL DESCRIPTION OF THE BRANCHED TO AS A SUBFOUTING (VIA A "605UB" OR "ON") THE RESTRICTION FROM SECTIONS AND PROMISED TO BUT BO NOT EXIST IN THIS TAFE FILE (B.4.)

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Data Systems Laboratory*
NATIONAL SFACE TECHNOLOGY LABORATORY*
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                                                                                                                                           MSTL Stations Mississippi 39529*
                                                                                                                                                                                                                                                                                                                                           EXTERNAL LABEL TYST' IS NOT EQUAL TO TAPE LABEL TAS
                                                                                                  Computer Sciences Corporation.
                                                                                                                                                                                         Versioni L - Production*
                                                 ID SEIS MANAGEMENT.
                                                                                   Programmed by
                                                                                                                                                                                                                        Harch 10,1982*
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16.2 BIN F(34), 20(31), W(7), H9(31), H8(31), 00(31), 01(31), 02(31), 03(31)
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FRINT *ENTER TRUE US FOUND DATA FOR AS
                              240 FRINT 'INSERT NEW HISTORY TAPE IN UNIT *1U2
250 FRINT 'PRESS 'RETURN' TO CONTINUE'*
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                                                                                                                                                                                                      FFINI PULL: 005HKL #####F"
FFINI PULL: 005HKL AL.288F"
FRINI PULL: 007HAL AL.288F"
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1560 KEH FRINT "ENTER OL HISTORY FOR "288"
1570 KEHII FRINT "ENTER HEAN(OR CENTRAL STANDARD) FOR "288"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRINT . ENTER LOWER LIMIT FOR ACCURACY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1540 REMIT FRINT 'ENTER UPPER LIMIT FOR ACCURACY'
                                                                                                                           F(2)=(WI*MS-MI*M2)/(WI*M3-MI*MI)
F(1)=(M2-F(2)*M1)/W1
                                                                                                                                                                                                  FOR 1-1 TO P(8)
D=DP(Y(1)-F(1)-P(2)#X(1))"2
                                                                                                                                                                                                                                           F(23)=1-D/(H4-M2*M2/F(B))
                                                                                                                                                                                                                                                                                                                                          FKINI EU2: HKL #####P*
FKINI EU2:84.P
FKINI EU2:2:
M3=M3+X(I)#X(I)#W0
M4=M4+Y(I)#Y(I)#W0
M5=M3+Y(I)#X(I)#W
                                                                                                                                                                                                                                                                       F(6)=0/(F(8)-2)
                                                                    C-U1 +H3-H1 +H1
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1660 O1=I
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1740 N=0
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1890 FRINT 8U2: *HOL OL, 288**
1810 FRINT 8U2: K, U7, X0, X0, H9, 01, 00, X0, H8, D3, 02, W, W, K, K, K 2020 FRINT EU2: HOL OF 288***
2050 FRINT EU2: K.D7, X0, X0, M9, D1, D0, X0, M8, D3, D2, W,W,K,K,K 1830 KEM**it** Frint "Enter OF HISTORY & ,289". 1840 KEMIL FRINT "ENTER HEAN (OR STANDARD) FOR ,288" FRINT 'ENTER UPPER LIMIT FOR PRECISION' 1840 REMASS FRINT 'ENTER S.D. (OR STANDARD) FOR ,288. PRINT "ENTER LOWER LIMIT FOR PRECISION" FRINT *ENTER LUWER LIMIT FOR ACCURACY* PRINT 'ENTER UPPER LIMIT FOR ACCURACY' 15.20 FIND 002:7 1949 PKINE BUZ, 2: 1250 MI=0.288 1870 H2=0.017 1890 J-0.254 1920 I=0.32 1930 O1=I 1830 REM&# 1910 KEH### 1940 REMESS 1980 I=0.039 1970 KEN115 M9-M1 CH-RH 2050 FINE 1 1950 I±0 1950 02±I 2000 N9=M1 2010 MC-02 3000 0005 1990 03%I 0-7 2070 010 780

1750 X0=0

750 W=0

2080 KEM END OF PROGRAM

110 FRINT #32,26:0

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EACH DAILY KUN. IT IS SUPPOSED TO LEAVE IN THE INFORMATION AROUT FREVIOUS DAYS SO THAT THE OC FLOTS WILL, SHOW DAILY FROGRESS. IT IS SUFFOSED TO REMOVE THE INDIVIDUAL PLOT FILES SO THAT A FRESH HISTORY TAPE EACH DAY.
THIS FROGRAM IS SUFFOSED TO UPDATE THE HISTORY FILE BETWEEN:
                                                                                                                                                                                                    * INSERT HISTORY TAPE INTO INTERNAL TAPE DRIVE* ** HANE SUKE WRITE PROTECT IS NOT ON SAFE*
                                                                                                                                                                                                                                                                  - DEVICE NUMBER OF INTERNAL TAPE DRIVE
                                                                                                                                                                                        BEGIN PROGRAM TO UPDATE HISTORY TAPE.
                                                                                COMFUTER SCIENCES CORPORATION ISAAC WILLY TRAXLER
                                                                                                                                                                                                                           · FKESS HUME FAGE TO START PROGRAM.
                                                                                                                                                                                                                                                                                                                                                                                            *** SECTION TO UPDATE FILE 1 ***
                                                                                                                                          SOME PRELIMINARIES
                                                                                                                                                                                                                                                BEGIN' FRUCESSING.
                                                                     05/04/81
                                                                                                                                                                                                                                                                                                                                                                        USED
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                                                                     KEM DATE:
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·INSERT STATISTICS PROGRAM TAPE INTO INTERNAL TAPE DRIVE· ·FRESS /HOME PAGE TO CONTINUE· 270 KEM *** END OF SECTION FOR-FILE 3 ***
780 KEM FIND BEGINNING OF TAPE .YOU MAY RENOVE THE TAPE NOW. 700 KEH -*** END OF FILE 2 SECTION *** 710 KEM FIND BEGINNING OF TAFE 630 REM END OF FILE 1 SECTION 340 REM FUL NO A REM PUT TAPE AT BEGINNING OF FILE 520 PRINT *TAPE PROCESSING FINISHED* 660 REM 44# SECTION FOR FILE 2 *** 730 REM ### SECTION FOR FILE 3 ### 800 REM *** SECTION FOR FILE' 4 *** 620 FIND 2 680 PRINT @UI: :SYSTEH*** PRINT BUIL-PLOTSOC**** 740 FIND 3 750 FRINT QUI:*PLOTFILES*** 740 CLUSE 650 FIND 0 290 FIND 0 720 FIND 0 CIO FIND 4 690 CL0SE 900 PRINT PALME GER 950 PRINI 016

930 REM END OF PRODEAM

INI

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HATA 2.20172.17972.1672.14572.13172.1272.1172.10172.09372.08672.08
HATA 2.07472.04972.04472.0672.05672.05572.04972.04672.04372.04
HATA 2.03772.03572.03572.03372.0372.02972.02772.02572.02372.022
                                                 UATA 12.706.4.303.3.182.2.776.2.579.2.451.2.366.2.307.2.262.2.228
                                                                                                                                                  UIM N1(20), T1(20), T(24), T$(40), X$(30), Y$(30), P(34), L$(60), A$(3)
                                                                                                                                                                                            KEM# GET LIST OF FILES TO'BE PLOTTED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KEM* SET DEFAULT FLOT PARAMETER REM*
                                                                                                                                                                                                                                                                            IF (=1 AND A=1 THEN 2060
                                                                                                                                                                                                                                                                                                                                                     410 KEMM START PLOT LOOP
420 KEMM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IF F(0)=0 THEN 2040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DIM X(P(B)),Y(F(B))
                                                                                                                                                                                                                                                                                                              IF T1(2)=2 THEN 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19:01 THEN 530
                                                                                                                                                                                                                                                                                        IMPUT @U2;NICI)
IMPUT @U2;6:T1(2)
                                                                                                                                                                                                                                                                                                                                                                                  FOR 19=1 TO TI(1)
                                                                                                                                  IF A=1 THEN 2050
INFUT @U2:U$, ES
                                                                                                                                                                                                                                                                                                                                                                                                      THE PUTTINICIES
                               DIM D4(8),U4(8)
                                                                                                                                                               FRINT 003,17:4
                                                                                                                                                                                                                          F$= * PLOTFILES *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   YAX: SUC TURKI
           DATA 33,11,32
                                                                                                                      INFUT RUZASIA
                                                                                                                                                                                                                                                                   INFUT GUZ.6:A
                     KEAD U1, U2, U3
                                                                                                                                                                                                                                                                                                                                                                                                                                     GU21X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4d:2ha
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                                                                                                                                                                                                                                                                                                                                                                                                                          eu2:L
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PELETE X+Y
                                                                                                                                                                                                                                                                                                                                                                                             FIND BUZ:0
                                                                                                    01210
                                                                                                                                                                                                                                    G0SUB 3620
                                                                                                             FIND CU2:2
                                         DIM 17(40)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  00=1.(3)
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	017	REM I(4)-HIN X VALUE OF GRAPH REM I(14)-MIN Y VALUE	T(5)-LENGTH OF X AXIS T(15)-LENGTH OF Y AXIB
+++1++	629	VIEWFORT 0, [30,0,100 ulyffol 0,130,0,100	
	640	T=0	
	929	I(1)=F(B)	
	057	1(2)=2.	. •
	0/3	1(3)=4	
	003	4(4)=10 1(5)=20	• •
	700	1(0)=1	
	710	11	
	077	1(14)#25	
	2 .	0/1/11/1	
	750	1(19)=1	
	í		•
	720	KEN TITLE GRAPH	•
	087	X0=1(5)/2+1(4)-LEN(L*)*//B	
	0 0 0	10-7/ 6005	
	010	HOVE @U3:X0+Y0	
	820	FRINT BUJ:L4	•
	830	KEM HUMP X AXIS TITLE	
	840	X0=T(5)/24T(4)-LEN(X*)*7/8	
	0,0	Y0=T(14)-10 HOUS OH7:X0.X0	
	870	_	
	988	REH BURE Y AXIS LAWEL	
	060	X0=3	
•	005		•
	910	MOVE GU31X0,Y0	
	03.6		
	940	SEG(YS,	
	950	~	•
	960	NEXT 2	
	. 970	KEM DISFLAY INFO ON RIGHT SIDE OF	- PLQT
	606	X0=T(4)+T(5)+5	
	066	Y0=T(1	•
	1000	NOVE #33:X0+Y0	•
	1070	YOUYOUR	
	10.59	٠,	•
	10.10	FRIME	•
	0001		• •
	1073	FRIMI	
	1000	MUVE	
	1090		
	1100	Y0=Y0-4	•

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FRINT 8U3: USING 1120;**P(14);**P
IF F(20)=0 THEN 1210
FRINT RU3: USING 1120;*/*PP(20);***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOUE EU3:XO+19,YO
FRINT GU3: USING 1280;*a= *,P(4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HAVE EU3;X0+19,Y0
FRIMT EU3; USING 1280; b= ",P(5)
IF F(Z)=0 THEN 1720
                                                                                                                                                                  NOVE 0031X0+T9,Y0
FRINT 003: USING 1220;**#P(23)
IMAGE F6,3E
                                                                                                                                                                                                                                                    MOVE EU3:X0+19,Y0
FRINI EU3: USING 1280:**;P(27)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KUUL PU3:X6.70
FKINT PU3:*S(X) = c(X + e)^d*
                                                                                                                                                                                                                                                                                                                                                  IMASE FA, 30, 20, FA, 20, 30, FA, 8
                                                                                                                                                                                                                                                                                                                                                                            GU 10 F(3) OF 1480,1450,1510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          no transform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   @U3: Y=a+b ln(X)*
                                                                                                                                           FRINT GUST'R-SOUAREDIT
                                                                                                                                                                                                                                                                                                                                                                                                    Y=1n(Y)
                                                                                                                                                                                                                                                                                                                                                                                                                       FRINT QU3: 16(Y)=a+bX*
                                   FRINT QU3: BARTLETTS:"
                                                                                                                                                                                                                                                                                                    PRINT GU3: PARAMETERS.
MUVE GU3:XO.YO-0.5
MAGE FA, 20, 30, FA, S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRINT GU3: Y=a+bX*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOVE EU3:X0179,Y0
                                                        MOVE BUS:XO+T9,YC
                                                                                                                                                                                                                               FRINT PUBL' MSE:
                                                                                                                                                                                                                                                                                                                                                                MOVE RU3:X0,Y0
                     HUVE HU3:X0,Y0
                                                                                                                   IMAGE FA,20,30
MUVE EU3:X0,Y0
                                                                                                                                                                                                                @U31X0,Y0
                                                                                                                                                                                                                                                                                  MOVE BUS:XQ,YO
                                                                                                                                                                                                                                                                                                                                                                                                    case 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       case 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                case 1
                                                                                                                                                                                                                                                                                                                             FRINT GUS: *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GO TO 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                       GO FO 1520
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                                                Y0=Y0-3
                                                                                                                                                        10=Y0-3
                                                                                                                                                                                                                                         10=Y0-3
                                                                                                                                                                                                                                                                              0=Y0-6
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                                                                                                                                                                                                                                                                                                                                          V-07=0
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                                                                                                       +++1++
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HOVE - GU3:X0+19,Y0

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PRINT "THERE ARE NO PLOT FILES CURRENTLY QUEUED TO BE PRINTED"
                                                                                                                                                                                                                                                                                                                                                                                                                FOO YOU WANT A PLOTTER PLOT OF THIS PLOT? (Y/N).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FRINT "NO DATA SETS FOUND ON THIS TAPE "
                                                                                                                                                                                                                                                          MOVE EU3:XO+T9,YO

IF F(3)=2 THEN 1850
FRINT EU3: USING 1280:'4 = '.P(29)
                                                                               # .,F(30)
                                                                                                                                                                                                                                                                                                                           FRINT BUS: USING 12801"h = ",P(32)
FRINT BUSI USING 12801°C# ',P(6)
                                       FRINT 203: USING 1280: 'd= '.P(7)
                                                                                                                                                                                                                                                                                                                                                DKGW (U3:1(4)+1(5),T(14)+T(15)
DKGW (U3:T(4),T(14)+T(15)
                                                                                                                                                       18-(1 + Y) = 1Y + F) 18-
                                                                           FRINT PUST USING 1280: "e
                                                                                                                                                                                                                                                                                                                                      @UJ:T(4)+T(5),T(14)
                                                                                                                                                                                                                    MOVE EUXIXO+TT:YO
FRINT EUX: USING 1280:'F
                                                                                                       F P(3) (52 THEN 1740 NT P(3) (52 THEN 1740 NT PU31*Y' = f - Y*
                                                                                                                                                                                              FRINT @U3: *X = X + h*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2000 FERK FLOT SUBROUTINES 2100 REDA
                                                                                                                                                                                                                                                                                                                                                                                                                                              HISTORY THEN 1980
                          HOVE QU3:X0+79,Y0
                                                                  MOVE BUSIXOTT9, YO
                                                                                                                                                                                                                                                                                                             HOVE BUS:X0+19,Y0
                                                                                                                                                                                                                                                                                                                                                                                          U3=1 THEN 1980
                                                                                                                                                                                 MUVE RU3:X0,Y0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2130 U9=4
2130 60SUB 3160
2140 U9=14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60 TO 2000
NEXT'19
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U3-32
                                                                                                                                              60 TO 1750
                 Y0+.Y0-3
                                                        Y0=Y0-3
                                                                                              Y0-Y0-3
                                                                                                                                                                      Y0:Y0-3
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                                                                                                                                                                                                            10=10-3
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                  1660
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FRINT @U3,21:0 MAX K3-(LEN(U$)+1)#1.78#0.5,T(14)-4
                                                                                                                                                                                                                  FRINT RU3,2110 MAX T(4)-(LEN(U$)+1)#1,78,R3-0.89
                                                                                                               FRINT @U3:*Y axist 10**;Y2
VIEWFORT T(4),T(4)+T(5),T(14),T(14)+T(15)
WINHOW T(6),T(6)+1(7),T(16),T(16)+T(17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60 TO T(3) OF 2910,2640,2700,2770,2840
         FRINT GU3: SCALE FACTORS: . $
                                                                            FRIEL GUST*X axist 10" FX2
                                                                                                                                                                                                     U4=STK(T(16)+(J-1)*T(18))
                                                                                                                                                                                                                                                                                                                                 U$=STR(T(6)+(J-1)*T(B))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2660-52#T(14+3)/T(14+1)*0.75
                                                                                                                                                                            K2=T(10)/(T(17)/T(15))
                                                                                                                                                                                                                                                                                                                                                                                                                                        T(2)<>1 THER 2540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S1=T(4+3)/T(4+1)*0.75
                                                                                                                                                                                                                                           IF J>T(19) THEN 2410
                                                                                                                                                       AXIS @U3:1(8),1(18)
                                                                                                                                                                                                                                                                                            K2=T(0)/(T(7)/T(5))
                                                                                                                                                                                                                                                                                                                                                                         J. T (9) THER 2510
                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOVE 003:X(J),Y(J)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DRAW BUSIX(J),Y(J)
                       GU3:X0,YQ-0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                  J21 THEN 2560
                                                                                                                                                                                                                                                                                                                                                                                                                           FOR J=1 TO T(1)
HOVE RU3:X6,Y0
                                                              MOVE @U3:X0,Y0
                                                                                                  NUVE PUS:X0,Y0
                                    FKINI 203: .__
                                                                                                                                                                                                                                                                                                                                                           6E13:1143
                                                                                                                                                                                                                                003:04:
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                                                                                                                                                                                                                                                                                 GO TO 2340
                                                                                                                                                                                                                                                                                                                                                                                                              GO TO 2440
                                                                                                                                                                                           K3-T(14)
                                                                                                                                                                                                                                                      R3=K3+R2
                                                                                                                                                                                                                                                                                                                                                                                   K3+K3+K2
                                                   Y0-Y0-4
                                                                                        Y0-Y0-3
                                                                                                                                                                                                                                                                                                         K3=[(4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KETURN
                                                                                                                                                                                                                                FRINT
                                                                                                                                                                                                                                                                                                                                                            FRINT
                                                                                                                                                                                                                                                                     U=1+7
                                                                                                                                                                                                                                                                                                                                                                                                   T+1=0
                          MOVE
                                   2210
                                                 2220
                                                                                                                           2280
                                                                                                                                       2290
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605UB 3160

10-10-5

KDBAU PUSTETT-2152 KUPGU 903:-2481,0 1347 11515 For MUSHCI KMDVE 003101-52 (2:3) 09.43 6/32 00.30

KUFAW 203:01-2152 KPC-44 RU310152 R.E.J. UKR 2720 2700 2/10 1+11+1

KINKOW @U3:0,52

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5012 19-1(17)-1(16)
-073 1(17)-194(19 -0)+(1940)
5050 IF 19-1 BRB 5300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3133 1471-194419 3314(1940)
3133 IF 1971 THER 5350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3179 S6025 (BFCLCB941)215)
                                                                                                                                                                                                                                                                                                                                                                                           2920 F0K D=1 T0 T(1)
2900 F(16)=F(16) HIN Y(J)
2990 F(17)=F(17) HAX Y(J)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CO 00/30-L004+07/00(D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3080 FQR J=1 TG F(1)
3070 - T(6)=F(6) MT4 X(J)
                                                                                                                                                                                                                                                                  2910 1F T(2)-1 THEN 2930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  T(2)=1(2) HAK X(3)
                                                             2780 KEFAM BUSS-245140
                                                                                          0000 REKAU RUSTOLZ#SZ
2010 FERMU RUSTZ#ST+0
1010 RHODE GUST-617-52
                                                                                                                                                                    1970 NEWN PUST-52
                                                                                                                                                                                                2873 KINAW PUST-51.52
0739 FBF6W PU31245150
                0113-110 By My 6031-8110
                                              22770 RMOUN PUSISINS
                                                                                                                                                                                                                    2009 KEKER 603:51752
                                                                                                                                                                                                                                  EHOVE 803:01-52
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                                                                                                                                                                                                                                                                                                                                                                            2960 1(17)--1(22)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3670 1(7)....(12)
                                                                                                                                                                                                                                                                                                                                                           03-00 1(10)=10-39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33.50 pite $6(5)
                                                                                                                                      RE THEN
                                RAUT 34 COVE
                                                                                                                                                                                                                                                  BACLISE COCK
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2730 RPRAU 8U31-51.0

CLO IN SOCIAL OF THEM 3050

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T- (+)07 (5)

150 COCCO COCO 750 (4)

111111

1760 50(3)-50(4)#10

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SO(4)=[Mf(1Mf(aMS(SO(5)))*SGN(SO(3))/SO(3))
Mf So(0)- 1 PMEN 3460
                                                                                                                                                         50(5) -50(5) # (14, 3499)
50(2) -50(3) # (INT(ABS(SO(5)))#SGN(SO(5)))
50(5) -50(2) # (INT(ABS(SO(5)))#SGN(SO(5)))
                                                                                                                  00(1) - 50(5)*(1H1) ABS(50(5)) ) + 56N(50(5)))
00(5) - 71 (0,1+5) + 1(49+2) ) / 50(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PARTY IN THE CEROS SEED FILE FIET FOR FOUND
                                                                                                                                                                                                                                                                                                                                                                    1(L9+6)=1.754T(U9+3)/T(U9+1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    *105 THEN 3970
           30(2) - 2 THEN 3310
                                         1F SOLDS 2 THEN 3330 $31(3) -50(4)
                                                                                  IF SO(5) - 0 THEN 3360
                                                                                                                                                                                                                                                                 16 50(3):51 BEN 5490
                                                                                                                                             CH (10(5) 0 THEN 3400
                                                                                                                                                                                                                                                                                                         T(U9+3) -50(2) -50(1)
T(U9+3) -50(2) -50(1)
U09+4) -50(3)
                                                                     10/05/10/10/10/10/05/09/09/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18 JETT THEN 3820
63 TO 3590
                                                                                                    686810-10100-10100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  $1917 (d)
CHRO SOCETH (014) #5
                            55131 SO(4)*2
                                                                                                                                                                                                                                                                                                                                                      (4)05=(5440);
                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUSS LEMB (FRINK)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $9:70A
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621210 6112120
                                                                                                                                                                                                                                     300-0000
                                                                                                                                                                                                                                                                               50(3)-80(5)
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                                                                      444744
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3.70 IF SQ(5) - 10 THEN 3290

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4230 FOR YSP(T(16)-T(17))*D7 TO (T(16)+T(17))*D7 STEP T(17)/100*D7
4330 IF P(3)-2 AND YSP/HP(31) THEN 4470
                                                                                                                           STEED NINT THATA TAPE IN EXTERNAL TAPE UNIT IS NOT A IDS DATA TAPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DRAW BUSTUFFER AND LOWER CONFIDENCE LIMITS
                                                                                 3700 INTHI TINDEX HAME - FFST INTERHAL NAME = 138
                                                                                                                                                                                                                                                  4000 KEHS FLOT UATA, CURVE AND CONFIDENCE LIMITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . 00.05F 4020
MUVE PUSIXU#10^-X2,T(16)#10^-Y2
FOR Y5-T(16) TO T(16)+F(17) STEP T(17)/100
                                                                  CA OF FIRE PILE DUES NOT MATCH INTERNAL NAME.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0013:104107-X2,T(16)4107-Y2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EXHLOTACY, COLLONIA COLLARS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T(16)-T(16)+0.01#T(17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4100 T(15)=F(15)-0.05*F(17)
4110 T(15)+F(16) HAX 0.01*F(17)
4120 F(17)+F(17)*L.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FLOT OBSERVER DATA
                                                                                                                                                                                                                                                                                                                                                                                402C 1(6)=f(6)-0.1#1(7)
407O 1(6)=f(5) HAX 0.01#1(7)
408O f(7)=f(7)=f(7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABJUST Y-KANGE
                                5910 IF 385 PK THEN 3930
5920 SEFUNA
                                                                                                                                                                                                                                                                                                                                             4050 KEHR ADJUST X RANGE
                                                                                                        SECOND FRINT PUDGEDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               UDSUB 4820
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                                                                                                                                                                                                                                                                                         4010 UDDUR 2940
4020 GUSUR 3050
CADDAST & OCHE
                     (3) 11 till e en
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1785 Per 10000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-1(16)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (91):-(0,
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4160 NEM
4170 FEM
4130 KEM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           4090 KEH#
                                                                                                                                                                                 NEG LMR
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SHED JE-SEGENSTITO

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HOVE @U3:U0#10^-x2,F(16)#16^-y2
FOR YS=(T(16)-T(17))#D7 TO (T(16)+F(17))#D7 BTEP T(17)/100#D7
IF F(3)=2 AMB YS=>+P(31) THEN 4620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  X1="WAKNING - Detection Limit EGRGRBOGR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3030 KENK SOLVE LINEAR REGRESSION IN REVERSE FOR XO
                                                                                                                                                                                                                                                                                                                                                                                                                X*=*DETECTION LIMIT IS *
IF DB<>10000 THEN 4730
                                    DRAW @U3:L0#107-X2,Y5#107-Y2
                                                                                                                                                                                                                                              ERION EUSTUO4107-X2,Y54107-Y2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Xt=*Calibration Curve # .1Y$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4696 X0=1(5)/2H(4)-LEN(X$)47/8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X0+1(5)/2+1(4)-LEN(X$)#7/B
                                                                                                                                                                                                                                                                                                    IF X(15) (=0 THEN 4670
                                                                                                                                                                                                                                                                                                                 14-14 MIN X(TS)#10"X2
                                                                                                                                                                                                                                                                                                                                                                       VIEWFORT 0,130,0,100
                                                    IF 1.0 0 THEN 4470
                                                                                                                                                                                                                                                                                                                                           IF 118 14 THEN 4700
                                                                                                                                                                                                                                                                                                                                                                                       4716 WINDOW 0:130,0,100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4840 FEMA (YG5X0)
4850 FEMA TRANSFORM YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4750 Y$=SEG(Y$,1,Y0+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Y0=F0S(Y$, ... 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OX10X1500 BAOM BOOK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MO'VE PUJ:XO, YO
                                                                                                                                                                                                                                                                                        FOR 15-1 TO N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FRENT PUSTXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ★XXX CHINE CU31X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Y0=T(14)-14
GUSUB 4820
                        6050F 4750
                                                                                                                                                                                                        6050F 4820
                                                                                                                                                                                                                                 60500 4950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Y$=STR(00).
                                                                                                          GOSUR 4820
                                                                                                                                  GGCUB 4350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4728 60 10 4770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Y$-518(1:8)
                                                                                                                                                                                                                                                                          4-10000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1760 X5=X44Y
                                                                                              YO-1(16)
                                                                                                                       10-T(16)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4726 REM1888
                                                                                4470 NEXT YS
                                                                                                                                                                                                                                                             HEXT YE
                                                                                                                                                                                                                                                                                                                               46.70 REXT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Y0-10-3
                                                                                                                                                                                                                                                                                                                                                                                                                                4723 REMILE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACTO NUTURA
                                                                  00±84
                                                                                                                                                                                        Y0=Y5
                                                                                                                                                                                                                                                                                                                                                                                                                                                           4725 XS== -
                                                                                                                                                                                                                                                                                                                                                                                                                4720 REM #
                                                                                                                                                                                                                                                                                                                                                            18=14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4020 PEMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4790
                                                                                                                                                                                                                                                                                                                                            01191
4400
                                                                                                                                                 5, 5
                                                                                                                                                                                                                                                                         6294
                                                                                                                                                                                                                                                                                        0491
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4000
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              4110
                                       9440
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                                                                                                                                                                                        5.50
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                                                                   1450
                                                                                              0345
                                                                                                           9.4.4
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                                                                                                                                                                                                                                                             97,91
                                                                                                                                                                                                                                                                                                                                                                         4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4740
                                                                                                                                                                                                                                                          +++1+++
                                                                              +++2+++
                                                                                                                                                                                                                                                                                                                              +++1++
                                                                                                                                                                                                                                                                                                                                                                       111114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  +++1+++
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```
A5=13+P(11)"2-T3+P(10)*A2+P(2)"2*A2+P(10)*B2"2-2*P(2)*P(11)*B2
                                                                                                                                                                                                                                      SOLVE LINEAR REGRESSION IN REVERSE FOR UFFER AND LOWER CONFIDENCE LIMITS (YO, XO; LO, UO)
IF, P(3) =2 AND Y0=>P(31) THEN 4932
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5100 KEM Inverse Functional Transform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HI:F(2)*(Y0-F(1))-P(11)*T3
                                                                                                                                                                                                                                                                                                 the lower curve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2040 KEM Functional Transform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     62=(K01F(30)) TF(7)4F(12)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5130 F3=F7(N-2)#SOK(A3#P(6))
5140 X0=(H1+63)A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5150 1F F(3) () THEN 5180
5170 XD=EXP(XO)
                           THEN 4890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TF P(3)-72 THEN 5070
                                                                      IF P(3)-31 THEN 4920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ERROR ROUTINE
                                                                                                                                                                                                                                                                                                                                                                                                                    5020 REMY Fower Transform
             YO = (YO+F (31)) 7F (29)
                                                                                                                                                                                                                                                                                                                                                                                                                                              5030 YO- (YOHF (31)) TP (29)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61-2(2) 2-1(10) 413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF A3=.0 THEN 5130
                                         YO-L 06(24F(31)-YO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            YeaLUG(24P(31)-Y0)
                                                         x0-(Y0-F(1))/F(2)
                                                                                                                                                                                                                                                                                  T-VALUES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5070 13=17(H-2)724F(6)
                                                                                                      X0=X0-F(32)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (1).4-0.4-75
                                                                                      XO-EXF(XO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5125 UO-100
5124 LO-100
5126 KETURA
                                                                                                                      KETUKN
                                                                                                                                               RETURN
                                                                                                                                                                            4940 REM#
                                                                                                                                                                                                                                                                                                                                                                        5000 T3+0
                                                                                                                                                                                                                          4950 REMS
                                                                                                                                                                                                                                                      KE n.
                                                                                                                                                                                                                                                                   4900 KEH#
                                                                                                                                                                                                                                                                                   1770 KEMA
                                                                                                                                                                                                                                                                                                                                                                                       5010 00:0
                                                                                                                                                                                                                                                                                                 KER
                                                                                                                                                                                                                                                                                                                             RITH
                                                                                                                                                                                                                                                                                                                1792 REH
                                                                                                                                                                                                                                                                                                                                            MBN F65F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5122 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1127 FEM
                                                                                                                                                                                                                                                                                                                             4993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05.1
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                                                                                                       0774
                                                                                                                                                                                                                                                                                                 1665
                                                                                                   1111111
                                                         +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   +++1++
                                                                                                                                 +++1++
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+++11++

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CREATE A NEW HISTORY TAPE*
REFRESH HISTORY TAPE*
RUM STATISTICS PROGRAMS*
STOP*
                                                                                                                                                                                                                                                           FUNCTION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WHICH OPTIONS (1,2,3,4)*
                                                                                                                                                                                         s
O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60 TO 6 OF 300,400,500,600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A 1 08 AZ4 THEN 100
                                                                                                                                                                                         STATI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1F 543** THEN 240
                                                                                                                                                                                                                                                              U5=32
FRINT @U3,26:0
                                                                                                                FAGE
FRINT .JJ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A-VAL(A$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            THFUL AS
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100 US-32
120 FRINT
120 FRINT
120 FRINT
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526 9UD
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500
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5 FKINT R32,2610

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HATA 12.706,4.303,3.182,2.776,2.579,2.451,2.346,2.307,2.262,2.228
HATA 2.201,2.179,2.16,2.145,2.131,2.12,2.11,2.101,2.093,2.086,2,08
HATA 2.074,2.069,2.364,2.06,2.055,2.052,2.049,2.046,2.043,2.04
                                                                                                                          FITH X1(32),Y1(32),X2(32),Y2(32),N2(32),G6(32),N0(8),P(34),G7(32)
FITH S(8),H6(8),H7(8),H8(8),H9(8),P0(34)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        *UNCHE KMA TAFE OK WRONG LAKEL BEGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
                                                                                                                                                                                                                          .037,2.035,2.033,2.03,2.026,2.027,2.025,2.023,2.022
                                                                          DIH Z8(25)+08(20)+08(2)+F8(10)+E8(72)+T8(127)+B8(127)
DIM M8(6)+Y8(30)+X8(30)+K8(2)+A8(4)+B8(1)+B8(7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              *JEHTER THE LABEL ON THE RMA DATA TAPE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RMA TAPE IN 4051".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FRINT TOTA IS BEING PROCESSED.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "LAKEL ON TAPE IS "IYS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KEM* INITIALIZE FLOT FILES
                                                                                                                                                                                                                                                                                                                                                     REMAINITIALIZE PLOTFILES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1F LEN(24) (13 THEN 403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-24 THEN 410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HIM ZEC13) 174(13)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A-1 THEN 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             M4=SEG(P4,18,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .00000000.
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                                                                                                                                                                                                                                                                                                                                                                                                    304 F$=*FLOTFILES
                                                                                                                                                                                                                                                                                                                                                                                                                                 302 FINE CU2109
307 FEINE CU21F*
308 FKINE CU2121
                                                                                                                                                                                                                                                                       260 FOR I=1 TO 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              [NFUI PUL:YS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CU1:84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  F$=*FLOTSOC*
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                                                                                                                                                                                                                                                                                                                                                                                                                    HOSOB 60000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   60007 BNS09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             THE PULL
                                                                                                                                                         HIM 17(40)
                              12 FIND 0U2:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .(0).IXI=V
                                                             IS INFUN CUZ.
                                                                                                                                                                                                                                                                                        E$=E$X.
                                            13 FIND BUZ:
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                                                                                                                                                                                                                                                                                     270 E1-E
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                                                                                                                                                                                                                         DATA
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10 111-33
                                                                                                                                                                                                                                                                                                                                    301 REM*
              U2=11
                                                                                                                                                                                                                                          LEAD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           +++1++
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1000 KEH PKINT 'ENTER THE ANALYST'S INITIALS (aaa)
                                                                                                                                                                                                      1030 FRINT 'THIS PROGRAH PROCESSES AGENT H ONLY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    300 FRINT *FRUCESSING CALIBRATION DATA FOR H
                                                                                                                                                                                                                                                      1050 REH PRINT "ENTER THE SERIAL NUMBER (n)"
                                                                                                                                                                                                                                                                                                                                                                                   1110 REM# PROCESS CALIBRATION DATA FIRST
                                  · INSENT FROGRAM TAPE IN 4051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1290 KEM* END OF DATA FOR CALIBRATION
                                                                                                                                                           FROGRAM FOR H DNLY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1F ACV THEN 1290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF A ○1 1HEN 1280
                  .000000000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 <*=5EG(B4,27,7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C*=SEG(X*+1+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MFUT PUL: 14
                                                                                                                                                                                                                                                                        .050 KEM INFUL NS
                                                                                                                                                                                                                                                                                                                                                                                                                                INPUT PULLES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BOULUR SCOO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GUSUR 3060
                                                                                                                                                                                                                                                                                                                                                                                                                   1120 FIND @U1:1
                                                 450 FRINE *2KJ*
490 FIND @UI:3
440 GUSUB 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A=TYP(0)
                                                                                                                                                                                                                                                                                                                                     1092 Na=1
                                                                                                                                                           KEN*
                  450 FRINT
                                  470 FRINI
                                                                                                                                                                           1020 NEMR
                                                                                                                                                                                                                                                                                                                                                                                                                                                     ٥
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                                                                                200 OUB
                                                                                                                                                           010
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* CALIEGATION OF INSTRUMENT RESPONSE . 101
                                                                                                                                (2)=(F(8)*H5-M1*H2)/(P(8)*H3-H1^2)
(1)=(H2-F(2)*H1)/F(8)
                                                                                                                                                                                                                        D=D+(Y1(I)-P(I)-P(2)*X1(I))"2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2200 REMS PROCESS ACTUAL DATA
                                                                                                                                                                                                                                                F(23)=1-D/(M4-H2^2/P(B))
                                                                                                                                                                                                                                                                                                                                                                                                     X*="CONCENTRATION"
Y*="INS) KUMENT RESPONSE"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2000 REN& FROCESS OLEGP DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2240 REM INFUT ACTUAL BATA
              M3=M3+X1(I) #X1(I)
M4=M4+Y1(I) #Y1(I)
M5=M5+Y1(I) #X1(I)
                                                                                                                                                                                                       FOR 1=1 TO P(B)
                                                                                                                                                                                                                                                                 P(3)=2
P(6)=0/(P(8)-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                 P$=SEG(84,14,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                               W*=SEG(84,12,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            W4=SEG(81,16,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gusur Zoooo
Infur eunintyP
                                                                      C-P(0)4M3-M1^2
                                                                                                                                                                                                                                                                                                                           P(27)=F(6)
                                                                                   (10)-F(B)/C
H2-H21Y1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2260 FINE GULTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G050E 61000
                                                                                                   (11)=M1/C
                                                                                                                  (12)=H3/Ĉ
                                                                                                                                                                                                                                                                                                                                                                                         DIM YE (30)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GDSUR 7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0038 31100
                                                                                                                                                                                                                                                                                                                                                        - 24-1-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2025 GOSUN 3625
                                                                                                                                                           (4)~F(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-044-7°
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ./.8411=41]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   F 1211.
                                                                                                                                                                          P(9)=P(2)
                                                                                                                                                                                                                                                                                                                                                                         5-1.52NS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              $178 $1J=$1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            $M$$61=14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C=0.216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2005 04=*aL*
                                                        NEX1 I
                                                                                                                                                                                                                                                                                               F(9)=1
                                                                                                                                                                                                                                    Z X Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2215 N-0
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FRINT *61846SGEGKG18 GFBK6066BRBABNB BTBABPBEB BIGNB B48083618*
                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF X1(J1)=X1(J) THEN 3140
60 T0 3180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF J2=1 OR J5=0 THEN 3220
                                                                                          2320 KEM PROCESS ACTUAL DATA
                                                                                                                                                                                                                                                                                   3010 N2±0
3020 FOK J1=1 TO N
3030 IF N2(J1)=0 THEN 3045
                                                                                                                                                                                                                                                    3000 REM$ DETERMINE GROUPS
                                                                                                                                                                                                                                                                                                                                                                                                                                      N2(J)<>0 THEN 3180
                                                                    IF YACYFLY THEN 2270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14=J4+Y1(J)*Y1(J)
            IF ACY2 THEN 2900
                                             AC>1 THEN 2270
                                                                                                                                                                                                                                                                                                                                 IF JI:N THEN 3275
IF JI:N THEN 3280
                                                                                                                                                                                                                                                                                                                                                                                IF J1=N THEN 3280
                                                         Y4=SEG(B4,118,2)
                                                                                                                                                                                                                                                                                                                                                                                                                             N 01 1117=7 30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 J5=J4-J31J3/J2
                       NFUT QUI: EA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J3=J3+Y1(J)
                                                                                                                          GUSUB 10000
GO TO 2270
                                                                                                                                                                                                                                                                                                                                                                                                                 J4=Y1(J1)"2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60 10 3020
                                  coos unsuc
                                                                                                                                                                                                                                                                                                                                                                                                     J3=Y1(J1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CO 10 3020
                                                                                                                                                                                                                                                                                                                                                                     N-(10) 2N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     H2(N)=-1
2270 A=1YP(0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N=(T) EN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    J2=J2+1
                                                                                                                                                                                                                                                                                                                        3040 NEXT J1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3130 NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    250 mext J
                                                                                                                                                                                              FIND 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1-1-4
                                                                                                               1+パニス
                                                                                                                                                 FRINT
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                                                                                                             2330
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2350
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           2280
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                                   300
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+++3+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4447144
                                                                                                                                               +++1+++
                                                                                                                                                                                                                                                                                                 +++51++
                                                                                                                                                                                                                                                                                                                                   1++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     +++5+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1112111
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3330 REH* DETERMINE NUMBER IN EACH GROUP & SAVE XXY
                                                                                                                                                                                                                                        3510 KEHA(X1(N2(1)))P(25),P(26))
                                                62(13)=Y1(13)
67(13)=X1(13)
1F N2(13)=-1 THEN 3400
NO(N2(13))=NO(N2(13))+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3625 REM* UPDATE PLOTSAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.0550R 40600
1.NFUT 8U25,61A
0.1F 6422 THEN 3690
1.NFUT 8U21.B$
0.0 TO 3650
                                                                                                                                                            ON BIZE THEN 3503
60 TO 3510
                                                                                                                                                                                                                                                                                             IF NYO THEN 3550
                                                                                                                                                                                                  3503 FUZZ 15,1,0E-24
3504 UFF SIZE
                               FIR 66(N) 67(N)
FOR 13=1 TO N
                                                                                                                                                                                                                                                                                                                                                                         S2=524X1(I)-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FRIAT PU2:16*
                                                                                                                                                                                                                                                                                                                                             FOR 1:1 TO N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3630-F1-PLOTSBC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FRINT BU2: DS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRINE BU2:0$
                                                                                                                                                                                                                                                                                                                                                                 S1=S1+X1(I)
                                                                                                                                                                                                                                                                                                                                                                                             P(25)=51/J
                                                                                                                                                                                                                                                                                                                                    60 10 3620
                                                                                        NEXT T3
                                                                                                                                       3500 KEM$ 0C
                                                                                                                                                                                                                      RETURN
                                                                                                 3410 RETURN
                                                                                                                                                                                                                                                               51-0
                                                                                                                                                                                                                                                                         52=0
                                                                                                                                                                                                                                                                                   0::1
                                                                                                                                                           3501
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                    3350
3355
3360
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3390
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                                                                                        1++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  +++1++
                                                                                                                                                                                                                                          +++1+++
                                                                                                                                                                                                                                                                                                                                             +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                          +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         +++1+++
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++++++ 3320 HEXT J

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4000 REM* DETERMINE SCALE SHIFTS FOR X AND Y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IF NUT(Xs=1" OR Xs="3") THEN 5110
Xt=SEG(H4,1B,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOOO REM$ CHECK FOR ACCEPTABLE RECORD
3720 FRINT GU2:C.F(25),P(26),F(28)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Y1(13)=(66(T3)+F(31))^P(29)
X1(T3)=67(T3)+F(32)
                                                                                                                                                                                                                                                                                                                                                                                                                                        4200 REM* INITIAL TRANSFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5070 KEM IF X4<>N$ THEN 5110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5090 REN IF X4C>U4 THEN 5110
                                                                                                                             F(31)=F(31) HIN Y1(T3)
F(32)=F(32) HIR X1(T3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF Xt<> H. SI10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5060 REM X*=SEG(B$,20,1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REM X1=SEG(N4,87,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GOOD RENT GROUP HUMENTS
                                                                                                                                                                     F(31)=1-F(31)
F(32)=0.1-F(32)
IF Z1<4 THEN 4110
                                                                                                                                                                                                                                                 4100 REM# INITLIZE P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5020 X*~SEG(E1,6,1)
                                                                                                               4030 FOR 13±1 TO N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4210 FUK T3=1 TO N
                                                                                                                                                                                                                    1080 F(31)=F(32)
                                                                                                P(32)=0.1
                   3730 FETURN
                                                                                 P(31)=1
                                                                                                                                                                                                                                                                                                                                                            1160 F(21) = 0
1170 F(22) = 0
                                                                                                                                                                                                                                                                                                                                                                                           4180 P(23) ±0
                                                                                                                                                                                                                                                                                                                                                                                                           4190 P(24)=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1240 NEXT 13
                                                                                                                                                                                                                                                                                 4110 F(8)=N
                                                                                                                                                                                                                                                                                                1120 F(Z)=0
                                                                                                                                                                                                                                                                                                               130 F(9)=K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5100 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5120 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6005 N7=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5110 0+0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5010 A=1
                                                                                                                                                                                                                                                                                                                                              1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5050
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                                                                                                                                            4050
                                                                                                                                                                                                                                                                                                                               1140
                                                                                                                                                                                                                                                                                 +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1++5++1
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7102 KEH CHECK FOR CONTROL CONCENTRATION
                                                                                          M2(H2(I))=H2(N2(I))+Y1(I)
H8(N2(I))=H8(N2(I))+X1(I)*X1(I)
H9(N2(I))=H9(N2(E))+Y1(I)*Y1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10000 REM4 GET ACTUAL DATA FROM BA
                                                                                NG(N2(I))=H6(N2(I))+X1(I)
                                                                                                                                                                                     7000 KEMS GET DATA FOR OL & OP
                                                                                                                                                                                                                                                                                                                                                                                     220
                                                        IF N2(1)<1 THEN 6100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Y0-(Y0-F0(1))/F9(2)
                                                                                                                                                                                                                                                                                                                        JF U1C-04 THEN 7220
                                                                                                                                                                                                                                                                                                                                                                                  1F VAL (Y$) ⇔C THEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X0=(Y0-F(1))/P(2)
                                                                                                                                                                                                                                                                                                  IF ACST THEN 7220
                                                                                                                                                                                                                                                               F A<>2 THEN 7230 MFUT PUT:B$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REM* FEAK HIEGHT
                                                                                                                                                                                                                                                                                                                                                                                                                       X=(Y-F0(1))/F0(2)
                                                                                                                                                                                                                                                                                                              W1=SEG(R4,118,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Y$-SEG(E$,40,7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X4 SEG(643.62.7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10690 Xt = SEG(E4,69,7)
10690 BO = BO*VAL(X4)
                                                                                                                                                                                                                                                                                                                                                                     Y$=5E6(84,97,7)
                                                                                                                                                                                                                                                                                                                                                                                                 Y$=5F6(E4,48,7)
                                                                                                                                                                                                                                                                                                                                                                                                                                W1=SEG(13,62,7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Y$=SEG(R4,97,7)
                                             6050 FOR I=1 TO N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GUSUB 15000
                                                                                                                                                                                                                                      INFUT EULIES
A=IYP(0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        00= Un (X4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             YO-VAL (Y$)
                                                                                                                                                                                                                                                                                                                                                                                                                                              X-X+UAL (*!*)
                                                                                                                                                                                                                                                                                     60SUR 5000
                                                                                                                                                                                                                            FIND CULLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GO TU 7040
                                                                                                                                                                                                                                                                                                                                                                                                            Y-VAL (Y1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Y=UAL (Y$)
                                                                     N7=N7+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             XI(N)IX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Y1(N)=Y
                                                                                                                             6100 HEXT I
                                                                                                                                         6110 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RE LURN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 -2 - N
                       0-UH
                                  H9-.0
0-9H 0109
                                                                                                                                                                                                                7010 N=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sec. 50.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02001
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                                  6040
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                                                                                9090
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                                                                                                      $080
6090-
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                                                                                                                                                                                                                                                                          070.
                                                                                                                                                                                                                                                                                     0702
                                                                                                                                                                                                                                                                                                2000
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                                                                    2057
                                                                                             2070
                                                                                                                                                                                                                                                                                                             0607
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                                                                                                                             111111
                                                                                                                                                                                                                                                  111111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 +++3+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            +++11+++
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TRUE LOWER 952*,5,36)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -. ,24,29)
                                                                                                                                                                                                                                                                                                                                                      IF [41((N-1)/20)120(>N-1 THEN 11000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BE-REFERAGENT CONCENTRATION .. 29.19)
                                                                                                                                                                                                                                                                                                                                                                                     B4-KEF ('AGTUAL BATA FOR H', 24,17)
B4-KEF ('BATET', 52,5)
                                                                                                                                                                                                                                                                                                         10400 KEMA FRINT BUT ACTUAL BATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.07) If (6. 1.01-3 THEN 11682
110 % UNLEST'S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R4- NEP (*SAMPLE LOCATION
                                                                                                                                                                                                                                                   19290 X0-X0400/(Y#Z)144.0E-4
                                                                                                                                                                                                                                                                                 4-30.64(Z#Y)/00400-00 002-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1-000 BS-REPORTINE 15914)
10070 FRINT BS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       228 33440.0333.44
                                                                                                                                                                                        10250 RENA SET AIRFLOW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11939 (GENERICKIESES)
11939 (AR-SEGGES)
11909 (BENERICKIESES)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11070 FEM 00.0R 12000
                          X$\_3EG(84,126,2)
Y$\selighter(84,122,2)
X\u00e4\u00e4(14)
                                                                                                                 10010 Y#-SEG(H#+120+2)
10070 X-9AL(X#)
10030 YEVAL(F#)
                                                                                                     10700 X1-SEG(F1,124,2)
                                                                                                                                                                                                                   19260 Y$-SEG(B$190,7)
                                                                                                                                                                                                                                                                                                                                                                                                                     E4-KLF (E4+58+B)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (1-766(14)21.5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11000 SEM PRINT DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $91.FF. 18134 0050'
10140 REM# GET TIME
                                                                                                                                                           10340 Z-(X-X)#80+Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                 SHELL THINE OLIO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11972 0038 41400
                                                                                                                                                                                                                                                                                                                                                                                                                                    PULL BRING CONT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1950 L1-578(x0)
                                                                          Y-VAL (YS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10749 FRINT BA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1105 00 87611
                                                                                         7-X-Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 $ 1-13 OCEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ¥ 3 = € ¥
                                                                                                                                                                                                                                                                                                                                           10405 T1=86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11032 X-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            110.26
                                                                                                                                                                                                                                                                                                                                                                                      04 30
                          10150
                                                                                                                                                                                                                                                                                                                                                                        07450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01501
                                                                                                                                                                                                                                                                                                                                                                                                                     0.400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.4401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11010
                                                           0/101
                                                                       01101
                                                                                      10190
                                                                                                                                                                                                                                                                                                                                                          0410
                                                                                                                                                                                                                                                                                                                                                                                                      0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  +++1+++
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14010 YS-NEG(TS-116-2) 14010 [F YS-10K* UN YS-*CK* OR YS-*KA* THEN 14050 14010 J-LEFHYS) 14000 REMS CHECK IF DATA IF FROM LOCATION "DR" 11090 B8-KEF (44,24,X) 11095 FF KO 0.00115 THEN 11172 11106 X8-SIR(UO) 2230 IF Y-X 3 THEM 12300 2230 X4-SCG(X4.1.X13) 7-703-74-75-11)
7-703-74-7-711
1E 7-0 THEN 12200 (s. SrBixsixtiyY-X) (=Unit (Is) TF E O THEN 12360 32-01 0 (X 2 3 4 2 X - 4) 11110 REM GUSUB 12000 E4-KEF(24,55,4) 24-SEG(14,124,4) 11150 FEM GGSUB 12000 11177 28-SEG(T8-120-4) 000 FUR Jai [0 -1 000 IN-SEG(X6,2,1) 100 IN-0, 13,5 11124 GOSSH 14000 11130 BS=REF(X\$,34,X) 11140 X\$-SIR(LO) 11170 B\$= faP(X\$, 46,X) X=FGS(X8,*,*,1) Y=(EHCX8) 1150 Pt-Effet28:62:.3 HILLS FESTERICE STATE 11163 NC-SEGGL441.X) (X*1**3) 03 , \$0 (0+0+1 11151 GOSUB 61660 . 11121 CCSUB 61600 \$F\$\$1=5% -L! M(X8) 1105 15 (41 64 12509 RETURN 14050 RETURN LEXI 11120 1.5-X\$ 11150 LS-XS X-03 27-X 11172 KEM 11162 +++11++ 4440444 +++1++

IIOPE (4-SFE(L111X)

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63-13+P(11)-2-13+P(10)*A2+P(2)-2*A2+P(10)*B2-2-2*P(2)*P(11)*B2
B3-T9+SGK(63+P(6))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5-112(J))-S(H2(J))+(YI(J)-H7(N2(J))/N0(N2(J)))72
SOLVE LINEAR REGRESSION IN REVERSE FOR UPFER AND LOWER CONFIDENCE LIMITS (YO, XO; LO; UO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29010 KEMPrerform Bartlett's test for homoseneitw
20010 NEME (P(S)*P(Z)*Y2(J)*X2(NO(J))*KFGBFMI)
19030 FUMF FILM Variance for each level
                                              U=,975
                                                                                                                                                                                                                                                                           B1-F(2)*(Y7-P(1))-F(11)#T3
A2-(0.4342+1.1734#X7)^2^(7)
                                           T-VALUES LF.025
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15 H2 CD -- 1 THEN 20109
                                                                                                                                                  IF P(B):40 THEN 15075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JE SADEO HER 21060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5(1)-5(1)/(00(1)-1)
                                                                                                                                                                                                                 10-1101F(31)) TP(29)
                                                                                                                                                                                                                                                             AL-F (2) "2- F (10) * F3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20042 OH SIZE THEH 21000
                                                                                                                     15070 FEHR TRANSFORM YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JF K-0, THEN 21000
                                                                                                                                                                    19-17(P(B)-2)
                                                                                                                                                                                                                                                                                                                                                                                       X/=(P1+H3)/A1
                                                                                                                                                                                                                                                                                                                                                                                                                    X7=(FI-1/5)/AI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             J=1 10 E
                                                                                                                                                                                                                                                13-19-2*F(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WOOD FOR JAT TO N
                                                                                                                                                                                   60 10 15080
                                                                                                                                                                                                                                                                                                                          A2=691f (12)
                                                                                                                                                                                                                                                                                                                                                                                                       10-11-6(32)
                                                                                                                                                                                                                                                                                                                                                                                                                                   bo -X7 -F(32)
                                                                                                                                                                                                                                                                                                                                         (1) J-/ X-(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9989 603B 5099
                                                                                                                                                                                                  19-11-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ISUSO RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COLTO 1671 J
                                                                                                                                                                                                                                 01-11
                                                                           0X=7X 02031
                                             15040 KENE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C8--1
                                                                                         5030 130+0
  5010 KEN#
                5020 KCM#
                            SOJO REHA
                                                                                                                                                                                                                                                                                                           5.3-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20040 REHR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20000 REMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0-5 01.90
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                                                                                                                                                  15071
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                                                                                                                                                                                   5073
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                                                                                                                                                                                                                 0801
                                                                                                                                                                                                                                 0000
                                                                                                                                                                                                                                                             01:0
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                                                                                                                                                                                              ++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              + + + 1 + + +
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15000 KEMS

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21000 PRINT 'BARTLETT'S TEST NOT DEFINED FOR DATA SET 'IMS 21010 C8=-1
                                                                                                                                                                                                                                                                                                                                                                                          A= (NO(J)-1)#L0G(S(J)/83)+A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25010 REMACHI-SOUARE DISTRIBUTION 25526 REAM (CB+M15A1,CB)
                                                                                                                                                        20230 KENNTING correction factor
20150 REMACING FOOLED Variance
                                                                                                                                                                                                                                                                                                                                                                                                                       CB=((NZ-K)#L0G(S4)-A)/C
IF CB=0 THEN 21000
                                                                                  A-(NO(J)-1)#5(J)/53+A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25036 41±0
75040 IF CB 100 THEN 25110
27050 A-H1/2
25066 U+CB/2
                                                                                                                                                                                                                                                                                     20310 KENK
20320 KENKTING Chi-sauare
20330 KENK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25001 IF CB:0 THEN 25003
25002 GO FO 25030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25670 6050k 25120
25080 IF A1÷0 THEN 25110
                                                                                                                                                                                                               20270 FDK Jat 10 K
20280 Aat/(NO(J)-1)+A
                                                                                                                                                                                                                                                         20300 C-11A/(3*(K-1))
                                      20120 A=0
20180 FOR J=1 10 K
                                                                                                                                                                                                                                                                                                                                                              20320 FOR J=1 TO K
                                                                                                                S4-A/(N7-K)
                                                                                                  20210 NEXT J >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21015 OFF SIZE
21020 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01 F STZE
                                                                                                                                                                                                                                                                                                                                                                                                      NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25003 A1--1
25004 RETURN
                                                                                                                                                                                                                                            CUSSO NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20410 KETUKH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2:011 M1-K-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        M1-N-1
                                                                     5.5=1
            20150 REME
                                                                                                                                           20230 REM#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25000 REM$
                                                                                                                                                                                                 20250 A=0
                                                                                                                                                                                                                                                                                                                                              20340 A-0
                                                                                     00,000
                                                                                                                20220
                                                                                                                                                                                                                                                                                                                                                                                                                                                      00108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20405
                                                                     06100
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AES(AL/H1-A2/B2)>1,0E-7 THEN 25200
                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF ARS(A2/B2-A1/B1)>1,0E-8 THEN 25340
25090 A24107(5+INT(-LGT(A1)))
25100 A1-INT(A2*A1+0.5)/A2
25110 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                           A1=C2#A2#A2-(A+I)*U*A1
B1=C9#I2#B2-(A+I)#U*B1
                                                                      IF A>100 THEN 25630
                                                                                                                                    IF UCA THEN 25320
                                                                                                                                                                                                                                                                                                                  A1-C94EXP(P2-A1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A1- 041.05(U)-U-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01=1-091EXP(A1)
                                                                                                                                                                                                                                                                         P2-A41.06(U)-U .
                                                                                                                                                                                                                                                                                                                                                                                 GRACH FIRDARD
                                                                                                                                                                                                                                                                                                                                                                                                32×C9+E1+1*U*B2
                                                                                                                                                                                                                     42-611(1-A)#A2
                                                                                                                                                                                                                                  32-1011(I-A)1102
                                                                                                                                                                            AL=U#A2+I#A1
                                                                                                                                                                                          31-U*F2+I*B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GO:: UR 25470
                                                                                                                                                                                                                                                                                                  GOSUB 25470
                                                                                                                                                                                                                                                                                                                                           01-114-U
                                                                                                                                                                                                                                                                                                                                                                     C9=2111A
                                                                                                                                                                 12=13+11-A
                                                                                                                                                                                                                                                            C8-83/83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                C9-51/A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RETURN
                                                                                                                                                                                                                                                                                                                              METURN
M
                                                                                                                                                                                                                                                                                                                                                         F1-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1119=X
                                                                                                                                                    25180
                                                                                                                                                                                                                                                                                                                  25300
                                                                                                                                                                                                                                                                                                                                           25,520
                                                                                                                                                                                                                                                                                                                                                         25333
                                                                                                                                                                                                                                                                                                                                                                                                 12360
                                                                                                                                                                                                                                                                                                                                                                                                                                                    2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   011
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01.407
                                                                                                   2140
                                                                                                                           5160
                                                                                                                                                                                                                                                                                                                                                                                                                                      078.5
                               +++5+++
                                                                                                                                                                                                                                                                                                                                        111111
                                                                                                                                                                                                                                                                                                                                                                    1111111
                                                                                                                                                                              +++1++
                                                                         ---1...-
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---2--- 25870 IF KIIO THEN 25500
25480 GOSUB 25500
25490 KINUKN
CHILLH+ 25500 RETURN
25510 BITT
25520 FUR 1=0 FO A2-1
25530 RITELECKHI)
25530 RITELECKHI)
25530 RITELECKHI)
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25530 RITELECKHI)
25530 RITELECKHI)
25530 RITELECKHI
25530 RITELECKHI
25530 RITELECHI
25530 RITE

CD 666 ATTEX 6.5)*LOG(X)-NF0.54LOG(2*FI)
CD510 ATTEXTITY(12*X)-17(360*X"3)+17(1260*X"5)

25779 KEIUSH

620 KC108d

7=17(1+0,2316419#6BS(C9)) A1=T#(0,31930153+T#(-0,3565637B2+1,7B1477937#T)) A1=A1+T^4#(-1,B21255978+1,330274429#T) UPDATE HISTORY FILE. (N.X2.P(7);F(10.P(11),P(12)) C9=(1-X4X+2*X+L0G(X))/((1-X)4(1-X)) C9=b1+SuK((1+C9)/U) A1=506(1/(24PI))4EXP(-C94C9/2)4A1 U=1/(P(6)*X2(J)+P(30))~P(7) IF ABS(C9)>20 THER 25780 GET HISTORY NAME . THEN 59680 IF C9:0 THEN 25270 H1=UF1/3-A-0.02/A UN SKO THEN 59120 IF A-1 THEN 59120 INFUL BUZIES, P #35-W34W#X2(J)_2 INFUT BUZ:6:A -F1-KEP("K", 5,1) 59120 INFUT 8U2,30:A W2-W2+W*X2(J) FOR J=1 TO H C: M1 KN2-N3C2 A1=0 G0 T0 25750 **CUSUB 60000** 59110 KEM*ON SKR 57440 F(10):W1/C 57679 F1="HC"8M\$ 57672 IF Rt=" " 59650 P(11): U2/C 57660 F(12):W3/C milm=in F \$ = F & X K \$ A1-1-11 REXT J 59150 A=1 59140 RETURN U/10:X RETURN REMA 59500 REM4 59510 REM4 59520 REM4 w1=0 u2=0 **u**3≈0 KEHS 59020 KEM# 0=3 59673 0495 25680 25690 2700 2:37.10 03/50 09// 25.770 25780 06/52 59000 53010 59030 59050 59060 29070 59080 29090 59100 59530 59540 57550 29560 59500 29590 59500 28610 3.0 +++1++ +++1+++ +++1++ +++1+++ +++1+++ +++1++ +++1++

```
60330 FKIRT BATA TAPE IN EXTERNAL TAPE UNIT IS NOT A IDS DATA TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FRINT 'FILE DOES NOT MATCH INTERNAL NAME" ...
                                                                                                                                                                                                                                                                                                                                                          60160 FRINT "ERKOR *** FILE " : F$1" NOT FOUND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RI HA (ME.LS.XE,YS.HS.ESFE.FG)
                                                                                                                                                                                     14-0.1ES* THEN 60330
                                                                                                                                                                                                                                                                                           J##F# THEN 60190
                                                                                                                                                                                                 6U2,61A
L THEN 60169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JT-SEG(8$,1,10)
              59490 PRINT BU2: 64.P
                                                                                                                                                                        J#=SEG(84,1,13)
                                                                                                                                                                                                                                                                                                                                                                                                  15=5EG(F$+1+3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   60200 RETURN 60290 PRINT 'FILE DI 60300 PRINT 'INDEX 60310 PRINT GU2,2;
                                                                                                         60010 REM# (Ft.N9)
                                                                                                                                                                                                                                                                                                                                                                        60170 FRINT 0U2:2:
                            59695 FRINT @U2,2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60340 FRINT BUZ, 21
S9680 GUSUR 60000
                                                                                                                                                                                                                                                                                                                                                                                                                19-066 (14)
                                        59700 RETURN
                                                                                            SCOOO REMS
                                                                                                                                                                                                                                                                                                                                  40150 REM#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61096 REMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A1030 REPAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01017
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                                                                                                                                                                                                                                         06003
                                                                                                                                                                                                  +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                  +++1+++
```

61940 DIM F\$(3) 61050 Ft-*000* 61055 FIND 6U210 61060 FIND PU211

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FRINI GUZ: USING 61280:13,F$, "T", I$
                                                                                                                                                                                                                                                                                        FRINT 802: USING 61330:F8,08,U$
                                                                                                                                                                                                                                                                                                                                                                                                                             UPDATE PLOTFILES
                                                                                                                            UPDATE INDEX
                                                                                                                                                                                                                                                                                                                                                                             DIM G6(F(B)), G7(F(B))
                   IF A$ -. 04 THEN 61070
                                                                                                                                                                                                              IMAGE 30,104,14,204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF A > 2 THEN 61520
                                                                                                                                                                                                                                                      MARK 60211,2500
                                                                                                                                                                                                                                                                                                                                                                                       FRINT 602:67,66
PRINT 602,2:
                                                                                                                                                                                                                                                                                                    IMAGE 10A.BA,BA
                              P+-5EG(001012)
A1 -SLG(111, 4,6)
                                                                                                                                                           A$ =: SEG(84,1,3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ft= . FLOTFILES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INPUT BUZ.6:A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INPUT BUS:14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eliche luisd ecsi?
                                                                                                                                                                                                                                                                                                               PERMI CUPILS
                                                                                                                                                                                                                                                                                                                         FRINT RUZIX
                                                                                                                                                                                                                                                                                                                                              $H1700
                                                                                                                                                                                                                                                                             FIND GUZ:13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61470 G05UB 60000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61510 LG 10 61480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FRINC BUZ, 2;
                                                                                                                                                                                                                                               FIND QUEITS
                                         60 10 61070
                                                                                                                                                                                                                                                                                                                                                                   FRINE BUSIE
                                                                                                                                                                                                                                                                     FIND GUZ:0
                                                    T3=UAL (F*)
                                                                                                                                                                                                                                      FIND GUL:0
           $M$ . J. =$0
                                                                                                                                                                      13=VAL(A$)
                                                                       F1=516(13)
                                                                                  FAL. P. LMS
                                                                                            F$=F18F$
                                                                                                                                                                                  3=1311
                                                              T3=T3+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RETURN
                                                                                                                                                                                                                                                                                                                                                        FEINT
                                                                                                                                                                                                                                                                                                                                   FILIN
                                                                                                                                                                                                                                                                                                                                              (N) 25
                                                                                                                                                                                                                                                                                                                                                                                                                    KUN#
KUN#
                                                                                                                            KEM K
REHA
                                                                                                                 KEH*
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                   61120
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61440
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61:70
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           61119
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61100
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                                         61110
                                                                                  08119
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  +++1+++
                                                   ++1:1++
```

IF AC 2 THEN 61150 INFUT 6U2:54

INSUT BUZ.6:A

61070

+++5+++

⁵¹⁵⁰⁰ KEH KUUTINE TO FRINT NUMBERS TO 3 BECIMAL PLACES 51610 KEMPL*(LPASSED IN CONTAINING NUMBER IN CHARACTER FORM THAT

```
RESULTANT STRING ISTFASSED BACK IN L$
FORMAT OF RESULT SD., BUD JITH LENGTH OF
IS TO BE PRINTED OUT TO 3 DECIMAL PLACES
                                                                                                                                        61700 REM NUMBER 15 IN SCIENTIFIC NOTATION
                                                                                                                                                                                                                                                                  GO TO -00 OF 61820,61810,61800 N$-N13"0"
                                                                                                                                                                                                                                                                                                                                                                                       61880 KEM SECTON TO PRINT DUT #>0
                                                       IF N4="-" THEN 61750
                                                                     00 =FUS(L$,*E*,1)
IF 00 ⊕0 THEN 61700
                                                                                                                                                                                    0020 THEN 61880
                                                                                                                                                              K1=SEG(L1,00+1,4)
                                               K$=SEG(L1,2,1)
                                                                                                                                                                                                                                                Nt=5(.G(L$,1,1)
                                                                                                                                                                                                                                                                                                                                                                                                              (31141)935=11 06819
                                                                                                                                                                                                                                                                                                        00=6-LEM(K$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                41920 00=64LER(Nt)
                                                                                                                                                                                                              .0000.0 .=*
                                                                                                                                                                            OD-VAL (K&)
                                                                                                                                                                                                                                                           K4=N48.0.
                                                                                                                                                                                                                                                                                                                                                                                                                                      1.4=1.4384
                                                                                                                                                                                                                                                                                                                                                                                                                          1.5-1.5% E*
                                                                                                                                                                                                                                                                                              15=145.0.
                                                                                                                                                                                                                                     RE FURN
61620 REM
             61630 KEM
                                                                     61650
61660
61670
61630
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                        61640
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61730
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                                                                                                                                                                                                                                                                                             +++11+++
                                                                                                                                                                                                                                                                                                        1++1++
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61930 RETURN

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DATA 2.201.2.179.2.16.2.145.2.131.2.13.2.2.11.2.101.2.693.2.086.2.08
                                                                                                                                                                                                     DIM NI(20), TI(20), T(24), T$(40), X$(30), Y$(30), P(34), L$(60), A$(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           T(15)-LENGTH OF Y AXIS
                                                                                                 UAIA 2.037.2.035.2.033.2.03.2.028.2.027.2.025.2,023.2.022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        T(5)-LENGTH OF X AXIS
                                                                                                                                                                                                                                                  KEM# GET LIST OF FILES TO BE PLOTTE?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REMA SET DEFAULT PLOT PARAMETER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REM T(4)-HIN X VALUE OF GRAPH
                                                        FAIA 12.706,4.303,3.182,2
                                                                                                                                                                                                                                                                                                                                                                                     IF 1-1 AND A-1 THEN 3360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEH T(14)-HIN Y VALUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IF P(8)=0 THEN 3350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          350 REM* START PLOT LOOP
370 REM*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DIM X(F(B)), Y(F(B))
                                                                                                                                                                                                                                                                                                                                                                                                                                IF T1(2)=2 THEN 300
                                                                                                                                                                                                                                                                                                                                                                                                                   INFUT @U2,6:T1(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    380 FOR 19=1 10 T1(1)
                                                                                                                                                                            IF A=1 THEN 3355
INFUT PU2:U..D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FIND @U2:N1(19)
                                                                                                                                                                                                                                                                                                                                                                                                     310 INFUT RUZINI(I)
                           PIM DA(B), U$(B)
                                                                                                                                                                                                                         FRINT 603,1714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFUT RUC:X,Y
                                                                                                                                                                                                                                                                                                         270 Ft= FLOYFILES
1141A 33,11,32
                                                                                                                                                         INPUT EU2.6:A
                                                                                                                                                                                                                                                                                                                                                                     INFUT QU2,6:A
             KEAU UI,U2,U3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFUT QUZILS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8U2:16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           @U2:04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFUT RUZ:F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FIND GU210
                                          PIN 17(40)
                                                                                                                                PU2:0
                                                                                                                                                                                                                                                                                                                          290 GOSUB 4845
                                                                                                                                              FIND GU212
                                                                                                                                                                                                                                                                                                                                                                                                                                               11(1)=I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N-UI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFILIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REITH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REMK
                                                                                                                                                                                                                                                                                 197 REM#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             350 REM#
                                                                                                                                                                                                                                                                                                                                            0 = I
                                                                                                                                                                                                                                                                                                                                                                                                                                                340
                            2
                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                        300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                007
                                                                                                                                                                                                                                                                                                                                                        +++1+++
```

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KEM DISPLAY THFO ON RIGHT SIDE OF PLOT
                                                                                                                                                                                                                                                                                                                                                       Y0=T(15)/2+T(14)+LEN(Y$)*10/7
                                                                                                                                                                                                                                                                    X0=T(5)/2+T(4)-LEN(X*)*7/B
                                                                                                                                                                                     X0=T(5)/2+T(4)-LEN(L$)*7/8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOVE GUSTXO, YO FRIDE GUSTXO, YO HAVE GUSTXO, YO-0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                          X0=T(4)+T(5)+5
Y0=T(14)+T(15)-2
HOVE @U3:X0,Y0
FKINT @U3:*AGENT: *1A*
                                                                                                                                                                                                                                                 REM DUMP X AXIS TITLE
                                                                                                                                                                                                                                                                                                                        REM DUMP Y AXIS LABEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRINT PUST-BATE: *104
VIEWFORT 0,130,0,100
           WINEUW 0,130,0,100
                                                                                                                                                                                                                                                                                                                                                                                    REM LABEL PLOT
REM TITLE GRAPH
                                                                                                                                                                                                                                                                                                                                                                MUVE @US:X0,Y0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOVE PUSIXO, YO
                                                                                                                                                                                                                                                                             YO=1(14)-10
MOVE @U3:X0,Y0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ROVE BUSIXO, YO
                                                                                                                                                                                                                  MOVE BU3:X0,Y0 PKINT BU3:L*
                                                                                                                                                                                                                                                                                                                                                                          KINT PUST
                                                                                                                                                                                                                                                                                                   FRING BUS:X*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GD FO 1110
                               f(1)=F(8)
                                                                                                     T(14)=25
T(15)=70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Y6+Y9-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E-0%=0%
                                                                                                                         T(18)=1
T(19)=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-110-6
                                                              T(4)=10
                                                                        T(S)=70
                                          1(5)=5
                                                    1(3)=4
                                                                                                                                                                                                                                                                                                                                          . E=9X
                                                                                  [(B)-1
                                                                                             1:(6)
                                                                                                                                                                                                           FAGE
                       0=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1010
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                      550
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580
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                                                                       410
420
430
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                                                             603
1+11++
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P(3) OF 1381,1385,1390,1410,1430,1450,1470,1490
                                                                             FRINT PUB: USING 1040: 7.1P(22)1...
                                                                                                                                                                                         FRINT BUS: USING 10401:/*1P(20)1**1
                                                   FRINT QU31 USING 10401**1P(16)1**1
1F F(22)-0 THEN 1110
                                                                                                                                                              FEINT 6U3: USING 1040: ** (FEIA)) *** IF F(20) = 0 THEN 1190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WINT PUST USING 1236: am ., P(4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOVE PU3:X0+Y9,Y0
PKINT PU3: USING 1236:'6≠ ',P(5)
                                                                                                                                                                                                                                                                        MOVE WU31X01T9,Y0
FRINT WU3! USING 1220:**;P(23)
                                                                                                                                                                                                                                                                                                                                                                                      FRINT EU3: USING 1236:** FP(27)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INAGE FA 30.20 FA 20.30 FA 8
             PRINT BUSTILACK OF FITTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 @U3: a + bLOG(X').
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @U3:*X'/(a + bX')*
                                                                                                                        PRINT PUBLINARILETTES.
                                                                                                                                                                                                                                                                                                                                                                                                                               WINT BUST FARAMETERS ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        eu31*1/(a + bx')*
                                                                                                                                                                                                                                              FRINT BUS: "R-SQUARED!"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 eus: aEXF(bX').
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0031.a + b/X/.
IMMGE FA.2D.3D.FA.B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         40VE @U3:X0,Y0-0.5
                                                                                                                                                 MOVE BUSIXO+T9,YO
                                                                                                                                                                                                                                                                                                                                                                        MOVE PUB:X0+T9,Y0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FINE RUS: *Y's *1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ROUE GUSIXOHT9, YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .q., Xr.
                                                                                                                                                                                                                                                                                                                                             FRINT BUS: "MSE;"
                                      MOVE PUB:X0,Y0
                                                                                                          MUVE @U3:X0,Y0
                                                                                                                                                                                                                    IMNGE FA,20,30
                                                                                                                                                                                                                                   MOVE @US:XO,YO
                                                                                                                                                                                                                                                                                                                                                                                                                   10VE RU3:X0,Y0
                                                                                                                                                                                                                                                                                                                               MOVE GUSTXO, YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOVE PUBLIXONYO
                                                                                                                                                                                                                                                                                                    IMNGE FAISE
                                                                                                                                                                                                                                                                                                                                                                                                                                                              FRINT PUS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1491
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                                                                                              Y0=Y0-3
                                                                                                                                     X0×Y0-3
                                                                                                                                                                                                       Y0=Y0-3
                                                                                                                                                                                                                                                              E-01=0
                                                                                                                                                                                                                                                                                                                                                             10-70-3
                                                                                                                                                                                                                                                                                                                                                                                                      10=Y0-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0=Y0-4
                                                                                                                                                                                                                                                                                                                    0-10x-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (0:70-3
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                                                                              1100
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                                                                                          +++2+++
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2360 PRINT "THERE AKE NO PLOT FILES CURRENTLY QUEUED TO BE PRINTED"
                                                                                                                                                                                                                                                                                                                                                                                                       . UO YOU WANT A PLOTTER PLOT OF THIS PLOTT (Y/N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3350 PRINT *NO DATA SETS FOUND ON THIS TAPE .
                                                                                                                                                                       PRINT BUS: USING 1236:" # ", P(31)
                                                                                                                                                                                                                           FRINT RU3: USING 12361*4 # *,P(29)
                  *KINT PUS: USING 12361*6 # *, P(30)
                                                                                                                                                                                                                                                                              PKINT PUS! USING 12361"h = ",P(32)
                                                                                                                                                                                                                                                                                                              DRAW 203:T(4)+T(5),T(14)+T(15)
DRAW 203:T(4),T(14)+T(15)
                                                                                                                                                                                                                                                                                               MOVE EU3:T(4) FT(5),T(14)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          437S RENA PLOT SUBROUTHES 1595 REMA
                                                                                                                                                                                                                                                                                                                                                                                                                                        F B$<>*Y* THEN 1770
                                                                                                                                                                                                                                                                HOVE BUSIXOTT9, YO
40VE PUB:XO+T9,YO
                                                                                                                                                                                                         MOVE BU3:X0119,Y0
                                                                                                                                                      HOVE WISTXOATP.YO
                                                                                                                                                                                                                                                                                                                                                                     IF U3=1 THEN 1770
                                                    MINE PUBLIXO, YO
                                                                                                        HOVE GUSTXO, YO
                                                                     FRINT BUBL'Y'
                                                                                                                       FRINT GUS: "X"
                                                                                                                                                                                                                                                                                                                                                                                       · TNC ·
                                                                                                                                                                                                                                                                                                                                                     S052 97808
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60 10 3255
                                                                                                                                                                                                                                                                                                                                                                                                                        NPU E
                                   10=Y0-3
                                                                                      r0-70-3
                                                                                                                                                                                             £-01-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NEXT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3335 FIND 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3365 RIM*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3265 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3245 OLD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3361 CHB
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                                   +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ++11++
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FRINT BU3: USING 1236: C= *,P(6) DOVE BU3:X0+19,Y0
KIN1 BU3: USING 1236:*d= *,P(7)

10-Y0-3

HUVE BUSIXOFT9, YO

P_(8 + X)3 = (X)5.1208 ININA

1510 1510 1520 1521

IF P(7)=0 THEN 1540

HOVE PUSIXOFIERYO

500 1497

@U3:X0,Y0

3395 REM4

```
FKINT PU3:21:0 MAX R3-(LEN(U$)+1)#1.78#0.5;T(14)-4 FKINT RU3:U$;
                                                                                                      FRINT eu3,21:0 MAX T(4)-(LEN(U4)+1)#1,7B,R3-0.89
FRINT @U3;U4)
VIEWFORT Y(4), T(4), T(14), T(14), T(14) + T(15) 
WINEOU T(6), T(6), T(16), T(16), T(16) + T(17) 
AXIS @UIIT(8), T(18)
                                                                                      U$=STR(T(16)+(U1-1)*T(18))
                                                                                                                                                                                                                                  Ut=SfR(1(6)+(U1-1)*T(8))
                                                          R2=T(18)/(T(17)/T(15))
                                                                                                                                  IF U1>T(19) THEN 3595
                                                                                                                                                                                                                                                                                                                                                       IF T(2)<>1 THEN 3725
IF U1>1 THEN 3745
                                                                                                                                                                                                                                                                                                                                                                                 MOVE BUSIX(UI),Y(UI)
                                                                                                                                                                                                                                                                                                                                                                                                                  DECH PUBLYCUID AYOUD
                                                                                                                                                                                                                                                                                IF U1>1(9) THEN 3695
                                                                                                                                                                                           R2=F(B)/(T(Z)/T(S))
                                                                                                                                                                                                                                                                                                                                        3695 FOR U1=1 TO T(1)
                                                                                                                                                                                                                                                                                                                                                                                                     60 10 3755
                                                                                                                                                                                                                                                                                                                                                                                                                                60908 3705
                                                                                                                                                                             60 TO 3525
                                                                                                                                                                                                                                                                                                                           60 TO 3525
                                                                                                                                                  K3=K31K2
                                                                         K3=T(14)
                                                                                                                                                                                                                                                                                               3665 K3-R3FR2
                                                                                                                                                               U1-U1+1
                                                                                                                                                                                                         K3-1(4)
                                                                                                                                                                                                                                                                                                             3625 U1-U111
                                               11=10
                                                                                                                                                                                                                         1::10
                                                                                                                                                                                                                     3515
                                                           35.05
                             3485
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                                                                                                                                                                                                                                                                                                                                                                                   111111
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G0SUB 4305 GOSUB '4305

3415 3455

1405 U9=4

S1=T(4+3)/T(4+1)*0.75 GO TO T(3) OF 4095,3825,3885,3955,4025 S2=T(14+3)/T(14+1)*0.75 @631S11-5452 0013:-2*51:0 3055 KDRAW PU3:51,2*52 KBF614...2013.02...2382 KHKAU PU3:2751.0 3845 KM09E @U3:0,-52 KHFAW PU3:-51:0 3935 KBKAW PU31-51,0 3955 RM100 (0131811-52 3025 RMUVE 803:0,52 234018 USKAN BUSIOFS FIRM PH3:0:52 4095 3825 RETURN SV45 RETURN 3835 RINKAW RESER 3815 60 10 1117 3008 3715 2845 (1) (1) 1++1+++ 1+11+1

3955 RDRAW RUSTO,-2#52

111111

KHKAW EUS1-2%51,0

KERNW 203:0,2452

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3.1.1. COTTUE DESTE OF A TRUE GAME (SO(S)) 3 #5GN(SO(S)) 3 forto COTTUE COTTUE DESTE OF STANCES OF SOUTH 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19=F(12)=F(16)
F(12)=F9+(F9<>0)+(F9=0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TF 150 0 10 THEN 4435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         T(15)=T(16) MIN Y(U1)
T(17)=T(17) MAX Y(U1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-811400 011461-0 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               253 257 D 1978 4425
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S0(5)-191(T(0941)/15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CONTRACTOR DER ANDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               40,15 IF SG(5)10 THER 4545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30(4) 0 (HER 4375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1(2)=1(5) HIM X(U1)
1(2)=1(2) HAX X(U1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       59(3)-1(0)(4)(50(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               59 (C) -1 (C) V1/0 (C)
                                                                                                                                                                                                                                                                                                                                                                                     15 1/2)=1 THEN 4115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   59(5)-20(3)/50(4)
4005 KHOVE BUST-SIF-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1(2) -- f(12)
FOR UL-1 TO T(1) -
                                                                                                                                                                                 9031-514-52
                                                                                                                                      4035 KINGAW PUSTS11-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4145 FOR U1=1 TO TOD
                                                                                                                                                                                                                       00.31-51152
                                                                                                                                                                                                                                                                  4055 KERAW PUSISINS2
                                                                                                                                                                                                                                                                                                            4075 RHOVE PUSTO1-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          50(3)-50(4)*10
                                                                                            4015 ARUNE RUBIOSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20(1) 23/4) 62
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Khanu gustoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (9)1-(2)1-(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4125 T(15)=10739
4135 T(17)=-1(22)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4215 1(6)=10-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4335 60 10 4475
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                                                  4015 KETUKN
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                                                                                                                                                                                 4040 KURAW
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3995 KUEAU 203:2451+0

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60 TU FGS) OF 4705,4705,4725,4745,4765,4785,4805,4825
                                           CO(4) - INT(INT(ANS(SO(S)))#56N(SO(S))/SO(S))
                  50(2) - 50(3) # (3#1(ABS(S0(S)))#5GN(S0(S)))
50(5) - 50(2) - (0(1)
                                                                                                                                                                                                                                                                                                                                                            YO-(F(4) #EXP(F(5) #X4)) P(1/P(29)) -P(31)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          YO-(F(4)+P(5)*LGG(X4))^(1/P(29))-P(31)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CODE FRINT TO RUR ### FILE "FF # : NOT FOUND"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            40.5 Y0=(44/P(4)F(5)#X4))^(1/P(29))-P(31)
                                                                                                                                                                                                                                                                                                                                                                                          YO=(1/(F(4)+P(5)#X4))^(1/F(29))-P(31)
                                                                                                                                                                                                                                                                                                                               YO = (F (1) +F(2) *X4) C(1/F(29)) =F(31)
                                                                                                                                                                                                                                                                                                                                                                                                                          Y0-(F(4)+f<sup>2</sup>(5)/X4)<sup>2</sup>(1/P(29))-P(31)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4005 Y0 = (f(4) #X4TP(5)) T(1/P(29)) -P(31)
                                                                                                                                                                                                                            f(U946)=1,75#f(U945)/T(U941)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF J$C-10S" THEN 5175
                                                              4575 IF SU(5)-11 THEN 4605
                                                                                                           50(3)->1 THER 4635
                                                                                                                                                                             (U2131-50(2)-50(1)
4535 50(5) (50(5)10,9999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J4-SEG(B1.1.3)
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                                                                                                                                                          (1)05-(2)(1)
                                                                                                                                                                                                             (UVIS)-50(4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUSS REM# (F8,N9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MICH DOLLAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFUT PUTTES
                                                                                                                              50(3)-30(5)
                                                                                                                                                                                                                                                                                             4575 X4=X01F(32)
                                                                                80(3)=80(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Fish 802:0
Fish 802:1
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5175 FRINT YOATA TAPE IN EXTERNAL TAPE UNIT IS NOT A 108 DATA TAPE*
                                                                                                                                                                                           5205 REMA FLOT DATA, CURVE AND CONFIDENCE LIMITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SASS REMY DET CONFIDENCE LIMITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S265 REM4 UEL CONFIDENCE LIMITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5.55 f(15)-1(15)-0,05#f(17)
5.55 f(15)-f(16) m6X 0,01#f(17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5035 REM# ADJUST RANGE DF FIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 0.2 (60) 1(65 -6.141(2))
(55) 1(6)-1(6) HAC 0.0141(2)
5/59 1(2)-1(2)+11.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1975 SERK - ADJUST Y-KANGE
                                                                                                                                                            5115 IF 14, F4 THEN 51351
5125 KETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                535 FERR ANJUST X KANGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      295 T(2)=1(7)+T(6)-L0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5355 T(7)=1(7)1E0-X0
5035 JW-SEG(B4,1,3)
                                                                                                          5095 J1-586 (H$1110)
                                                 SOCS THE PUBLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (415 ×0-T(6)+F(7)
                                                                                                                                                                                                                             STIS PRINT PURPOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     383 10-FO MAX 0
                                                                                                                                                                                                                                                                                                                                                                                                                                    5224 F7-X0
5227 F8-X0
5230 G0 F0 5357
                                                                                         1072 BIN 11(10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5245 XO-1(4)
5255 GOSUB 4695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5270 C050R 5715
5275 6050R 6155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5340 GUSUB 5715
                    $615 RY-VALCUS)
                                      5050 Firm ett::0
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5225 6050B 4215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5345 60SUB 6155
                                                                                                                           F.LERGES
                                                                                                                                              HIM JE(F)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       395 T(6)=L9
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                                                                                                                             2002
                                                                                                                                            300
 +++1++
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5507 KEM DELETE NEXT LINE TO GET CONFIDENCE LIMITS AND DEFILM BACK
                                                                                                    5015 NEM# LEGAM BUSTUPPER AND LOWER CONFIDENCE LIMITS 5025 KEM#
                                                                                                                                                                                                                         FOR YO-7(16) 10'T(16)+T(17) STEP T(17)/100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OK YO-1(16) 10 1(15)+1(17) STEP 7(17)/100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FUR YOAT(16) TO T(16)+T(17) STEP T(17)/100
                                                                                                                                 T(16)=T(16)+0.01#T(17)
                          2405 KENN PLOT DESERVED DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         # UO 0 THEN 5640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5687 T4=T4 MIN X(TS)
5395 1(17)-1(17)#1.1
                                                                                                                                                                                                                                                                                    DEAD PUSIXO, YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BRAW PUSILO, YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GREW PUSTUDAYO
                                                                                                                                                                                                       HOVE BUSIXONYO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   110VE EUSTLO-YO
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                                                                                                                                                                                                                                                    C050R 5715
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60:00 5715
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                                                                                                                                                             5535 YO-F(16)
5535 6050B 521$
5259 YO-F(16)
                                                       415 GUSUB 3395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               G05UB 5715
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                                                                                                                                                                                                                                                                                                                                                                         YO-T(16)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GB3 14-10060
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YO-1(16)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Y0=[(16)
                                                                                                                                                                                                                                                                                                                                                                                                          (91)1=GX
                                                                                                                                                                                                                                                                                                                                                                                                                       (71)1=69
                                                                                                                                                                                                                                                                                                                                                                                                                                                    YO - F(115)
                                                                                                                                                                                                                                                                                                   SUCK NEXT YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HEX.1 YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AND NEXT YO
                                                                                                                                                                                                                                                                       YO-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            67:07
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                                                                                                                                                                                                                                          Y:2-10
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                                                                                    SCOOL NEWS
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+++++					
8-	5715 KEM* SOLVE LRICAR REGRESSION II 5725 KEM* (YO;XO) 5745 KEM* (YO;XO) 5745 KEM* TRANSFORM YO 5750 YO=(YO+F(31))?P(29) 5775 GOSHR F(31) OF FORM FORM	ION IN REVERSE FOR XO			
			•		
	5810 Y0=X0-F(32) 5810 Y0=X0-F(32) 5015 KETUKN	25,6045,6065.6085,6105,6125	•	•	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5825 Y7=Y0 5835 RETURN				
	5845 Y7=Y0 5855 RETURN				•
1 ;	5445 Y7=L06(Y0) 5075 RETUKN				
1	5335 Y7=17Y0 5995 KETUKN				
1	5905 YZ-YO 5915 RETURN			•	
1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5945 77-4,06(Y0) 5955 RETURH				

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1	5765 Y7=1/Y0	*1/Y0	•	
	277.5 NE	- TONG	•	
	. 5985 XQ=X7 5995 RÉTURN	: X 7 IUKN		,
11	5005 X0±X7 6015 RETUR	X0=X7 RETUKN	· 1	. •
	2035 RETUR	X9=X7 RETURN		, ,
1	6045 X0-X7	X0-X7 KETUKN		. •·
:	6065 X0= 6075 RET	X0±1/X7 КЕТUКИ		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6095 X0=	XO=EXP (X7) KETUKN		
	4105 X0= 4115 REI	XO-EXP(X7) RETUKN		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4125 X0=1, 4135 RETUR 4145 KEN#	X0=1/X7 KETURN KEM#		
9-	6135 REM# 6165 REM# 6175 REM# 6185 REM# 6185 REM#	1	SOLVE LINEAR REGRESSION IN REVERSE FOR UPFER AND LOWER CONFIDENCE LIMITS (YO. VOTLO. UP)	· · .
٠	0=£1 5077 0=00 5179 0=00 5179 0=00 5179	13=0 UO=0 IF F(8)>40 THEN \$220 19=17(N-2) GD TO \$225		•
111111111111111111111111111111111111111		FP=1.96 Ken* Transform yo		• • .
	6230 Y0- 6235 BDS 6245 T3- 6250 61- 6255 61-	Y0-(Y0+P(31))^P(29) GGSUP F(3) OF 6395,6415,6435 T3=19^2*F(6) M1-F(2)^2-F(10)*T3 L1=F(2)*(Y7-F(1))-P(11)*T3	F(29) 6395,6415,6435,6455,6475,6495,6515,6535))*T3 1))-F(11)*T3	

•

	£21,1494(0,434241,173	. (2)d_5_(2)#6i		•	
	0-23 13-0				
	6250 62=09+P(12)		•		
	6265 #2-Y7-F(1)				· ·
	63=13*F(11) 1-1 63=19*SOR(63*F(547 (10)*ALTF(Z) Z*ALTF(5))	10)482 Z-Z4F(Z)4F(11148Z	•	
	X7=(B11B3)/A1				
	6305 KEH* INVERSE	INVERSE TRANSFORM OF X7		•	
	6315 GOSUB P(3) OF 689 6325 LO=XO=F(32) 6335 XB±(R1-R3)/A1	6855,6575,6595,6615,6635,6655,	5, 6655, 6675, 6695		
	6345 KEMA INVERSE	TRANSFORM OF XB			
	6355 X7=XB 6365 GOSUB P(3) UF 65' 6375 U0=XO-P432) 6305 RETURN	6555, 6575, 6595, 6615, 6635	5, 4655, 4675, 6695		
	.6395 Y7=Y0 640S KETUKN				
1	5 77 5 RE				
	6435 Y7=L06(Y0)		1		•
1 1	455 YZ				
1.1	0475 YZ=Y0 6485 KETURN		, , , , , , , , , , , , , , , , , , ,		· · · · · · · · · · · · · · · · · · ·
1 - 1 - 1	6495 77=Y 6505 RETU		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	4515 Y7=1.06(Y0) 4525 RETURN				
	535 Y7	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	T E F F F F F F F F F F F F F F F F F F		· · · · · ·
1 i	7.555 Xee X	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		
	6.75 X0-X7 6585 KETURN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	• •

7030 ROTATE I
7040 RFRAW GU3:H1/50,0
7050 NEXT I
7062 HOVE GU3:X0+H2*1.1.Y0+0.1*H0
7070 RETURN
7979 REM*URA RHG
8000 SET DEGREES
9210 UTGUTOR O.130.0.100
8020 WINNGW 0.130.0.100
8030 REM*H1 - FRINTED LINE HEIGHT
8040 REM*H1 - FRINTED LINE HEIGHT
8050 REM*H1 - FRINTED LINE
8050 REM

THE FOLLOWING LINE NUMBERS ARE BRANCHED TO BUT DO NOT EXIBT IN THIS TAPE·FILE (+ 3).
A --* BEFORE THE LINE NUMBER INDICATES IT IS BRANCHED TO AS A SUBROUTINE (VIA A *GOGUB* OR *ON*)

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95 REM* OC ANALYSIS
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DIM LB(31), L9(31), UB(31), U9(31), 56(31), 57(31), 78(31), 79(31)
DATA 3.76, 2.394, 1, 88, 11, 596, 1, 41, 1, 2, 7, 1, 1, 1, 1, 1, 1, 1, 0, 94, 1, 0, 0, 973, 0, 925
                                                                                                                                                               DATA 0,0,0,0,0,0,0,03,0,118,0,185,0,239,0,284,0,321,0,354,0,382,0,406
                                                                                                                                                                                                                    0,3,267,2,5589,2,266,2,08911,97,1,882,1,815,1,741,1,716,1,679
1,646,1,418,1,594,1,572,1,552,1,534,1,518,1,503,1,49,1,477
1,466,1,455,1,445,1,435,1,416,1,408,1,401,1,394,1,387,1,381
                                                                                                                                0,447,0,532,0,619,0,508,0,577,0,567,0,557,0,548,0,539,0,5303
                                                                                                                   DATA 0.884,0.848,0.816,0.788,0.762,0.738,0.717,0.697,0,679,0,662
                                                                                                                                                                            0.420,0.448,0.466,0.482,0.497,0.51,0.523,0.534,0.545,0.555
0.565,0.584,0.592,0.599,0.606,0.613,0.619
                                                                                                                                                                                                                                                                                                                                                        DIM NI(20), T1(20), T(24), T$(40), X$(30), Y$(30), P(34), L$(60), A$(3)
                                                                         DIM US(8), A1(31), B3(31), B4(31), D$(8), N$(2), MB(31), H9(31)
                                                          (12) 4X((12)) 4((12)) 43((11)) 4((12)) 4((12)) 4((12))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REM# GET LIST OF FILES TO BE PLOTTED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 AHD N2=0 THEN 10000
                                                                                                                                                                                                                                                                                                                                                                      EIM WB(7), W9(7), C$ (130)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACC2 THEN 10200
                                                                                                                                                                                                                                                                                                                            F A=1 INEN 10100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C**C**; SUPTEMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PU2.61A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C*=C*1.NOVEMBER
                                                                                                                                                                                                                                                                                                                                            NEUT QU2:U$, D$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C*=C*** DECEMBER
                                                                                                                                                                                                                                                                                                                                                                                                                    *=C:: % * FEFFUGRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C4=C43 OCTOBER
                                                                                                                                                                                                                                                                                                                                                                                        FRINT @03,17:4
FRINT 032,2610
                                                                                                                                                                                                                                                                                                               ATACON TOWN
                               PATA 33,111.32
                                            RCAD ULIU2IU3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C$::C$ $ * AUGUST
                                                                                                                                                                                                                                                                                                                                                                                                                                     CAHCAN MARCH
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                 SET DECKEES
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270 INFUT 802,6
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230 K9=K9+1
240 K2=0
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"NO NO 11 OF WILL BE PROPUCED FOR "IMS!" AT LEVEL "ICI"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     *SINCE FOUR OF DATA POINTS ARE NOT YET AVAILABLE
                                                                                           FRINT "IS THIS THE FIRST STAT RUN FOR TODAY? (Y/N)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              @UZ:K1,E7,X9,Y9,M9,U9,L9,Y8,M8,U8,L8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A20 REPA 109(B3)=(B9(B7)*(K-1)+P(25))/K
430 REDA BUCHD)=(B8(B7)*(K-1)+P(26))/K
INFUT 8U2:C,P(25),P(26),P(28)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Co. C. CEO. FO(50) 13730ECC1) #M8(D8)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              [NFUT QU2:W8,W9,F1,F2,F3,F4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100 L9-49 ChB - A1 CF1 ) # MB (108) 820 TB - F5 CF1 ) # MR (108)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U9-09 (68) FAI (K1) *H8 (58)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      440 Y9(DB)=F(25)+F5xY9(DB)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        YB(110) = F(26) +F34 (8(10)
                                                                             IF F(28)=4 THEN 330
                                                                                                                            IF ALT. THEN 33C
                                                                                                                                                                                                                                                                                                                                                370 REH& GET HISTORY O
                               1F K9=K2 THEN 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF KI=4 TREN 551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13 8368104036000
                                                                                                                                                                         330 KEM# SET X LABEL
                                                                                                                                                                                                                                                                                                                                                                                                                                             READ FIFE, F3, F4
                                                                                                                                                                                                                                   355 KEM* SET X LABEL
                                                                                                                                                                                                                                                                                A=VAL(AF)
| A=(A-1)*9+1
| X*=SEG(E5,A,9)
                                                                                                                                                                                                    350 H$=SEG(D$+4.2)
                                                                                                                                                                                                                                                                 A$ .. SEG(D$, 1,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            K1=F(28) FFS#K1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FOR 1=1 TO 31
                                                                                                                                                                                                                                                                                                                                                                                                                               UATA 0.0.0.0
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                                              60 10 270
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                  K2-K241
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                                                           +++1++
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SBB INPUT PULLOS

554 IF AUT(YB(DB)>BB(DB) OR YB(DB)<LB(DD)> THEN 556 552-(F. ROLLY2(LB)2U9(LB) OR Y9(DB)<L9(DB)) THEN 554 554 F1=1 940 UF RUTCELET OR F247) THEN 950 940 US *MARNING - FROCESS IS OUT OF CONTROL L*="ACCURACY CONTROL CHART FOR "IM\$ SES REME ZENO DUT DATA FROM DZ TO D8 067 N3H1 (DU)6H<(CU)6A 31 IF YB(fig), HB(fig) THEN 730 780 REH* PLDT NC CHARTS 523 KEM# 620 KÜMK UPDATE UAKHING FOR 1=6 TO 1 STEP IF 17-09 THEN 573 IF 108/57 THEN 562 IF I - IIB THEN 573 W9(I+1)=W9(I) F4=F4108(1) 771 F2-AIG(F2) 772 F4-AIG(F4) 572 GO TO 562 GU 10 700 79(1)=-1 78(1)=-1 1+1-1 31.5 F 3.1 1:03 F1=0 790 810 820 006 095 ٠ د د 164 +++1+1+++ +++1+++ +++11114 1112111 1112711

FFF3+1+ 551 REN# SET WARNING FLAGS

+++++++ .950 KENA GOSUM FLOT

955 605UR 1775

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FRINE EUSIKI, DO, X9, Y9, M9, U9, Y8, M8, U8, L8
FREMET CUSIM8, W9, F1, F2, F3, F4
                                                                                                                                                                                                                              1040 W4≥*WAKNING - FRUCESS IS OUT OF CONTROL
                                                                                                                                                                                                                                                                                                                                  TO YOU WANT A 4662 PLOT? (YZN)
IF U3=10 THEN 967
FKINT "10 YOU WANT A 4662 FLOTT (Y/N)"
                                                                                          967 U.S.FRECISION CONTROL CHART FOR *1H$
980 W.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1775 DIM W#(60), U#(60)
1785 DIM X9(31), Y9(31), Y3(31)<sub>[</sub>,T(24)
                                                                                                                                                                                                                                                                                                                                                                                                                                                   1070 KEM% UPDATE HISTORY Q FILE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           POSS REPORT OF CHARACTER
                                                                                                                                                                                                                    1F HOT (F3=1) THEN 1050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1760 REAK OC PLQT ROUTINES
                                                                                                                                                                                                                                                                                                                                                                               C • Y* THEN 1067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOUS KENK HELGHE OF SPACE
                                                          IF ABOYY THEN 967
                                                                                                                                                                                                                                                          1050 REES GOSUR FLOI
                                                                                                                                                                                                                                                                                                                                                                  At-5EG(1911)
                                            04-556(04-11-1)
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1220 00 TO 230
                                                                                                                                                                                                                                                                                                        CAL
                            962 INFUT R9
963 04-555(44-1)
964 IF AE(>*Y***)
965 03-10
967 03-32
                                                                                                                                                                                                                                                                                         1055 GOSUB 1775
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2025 REN MINHI OF SPACE

DKAW @U311(4)+1(5),F(14)+F(15)
DKAW @U31T(4)+T(5),F(14) 2325 FUR 1=6 10 34 STEP 2 2335 MOVE @U31T(4)+1*3,T(14)+H4/2 2345 RURAW @U3:0,-H4 2315 REM MANE LTC HARAS ON X AXIS FRUVE EU31-H25-H0
1F 1-0 BK 1531 THEN 2405
1F 1510 FHEN 2395
EMOVE EU31-H256 @U3:1(4),T(14)+T(15) 2055 KLH WILLEN OF CHARACTER 2115 KEM HEIGHT OF TIC MARK 2135 REM UTIVIH OF TIC HARK 2015 KEY PROBE OUT UNKNING 2155 VIEWFORT 0:130:0:100 2165 WIREOW 0:130:0:100 2305 DKAW RUSTI(4), T(14) REM LANCE, THE HARK @U3: F(4); T(14) PRIME EUSTG 2255 FFN YOX URAPH 2195 KEN X DOMAIN 2235 REM Y RANGE 2175 KEM X MIN 2215 REM Y MIN CANON FILM OCKS 2205 T(S)=105 2225 1(14)=10 2245 1(15)±75 2105 113=1.55 2105 TC40=15 I JACK BOOK 2421 YOUY6 2145 H5-2 2125 H4×1 23.75 1100 1111111

2005 11241.79

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2745 NOW CHO OF PAYLIMINARIES NOW DO FLOTS
                                                                                                                246% KEN BEGAR BUSTFOX AKOUND WARNING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25.95 Y2-1(14)+("(15)+LEN(Y$)#H0)/2
25.95 HOVE BU31(0,10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2625 YO-1(14)-20H0
2625 XO-1(4)-F(1(5)-LFN(XE)-8H2)/2
2655 MUME PUSIXO-YO
2655 PKIRE PUSIXEE
                                                                                                                                                                                                                   2315 NINKING PHST-(LEMOUS)+13#H2+0
                                                                                                                                                                                                                                                                                                                30 (4)4(f(S) LEN(L$)4H2)/2
                      7475 X0-1(4)+(1(5)-LER(U$)#H2)/2
                                                                                                                                                                                                                                                                                                                                                                                       (4) -1 (4) + (3 (2) -(EN(38) #112) /2
                                                                                                                                                                  1935 Kiendu (40310-11486/3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FOR INT TO LINCKS STEP 1
                                                                                                                                                2475 h005 BU3130-H2724Y0-H673
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                                                                                                                                                                                                    1597 Lie au Posto . 544973
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2423 IF ACT THEN 25.55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (4-14 nin 71(1)
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2770 KEN IN HEKE GGES CODE 10 FICK NEAT ENDFOINTS FOR Y-AXES
                            VIEWFORT 1(4), I(4)+I(5), I(14), I(14)+I(15)
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                                                                                     IF YOU OF THER 9400
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2940 IF YOUR THEN 3015
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2020 OF F(1) O THEN 2045
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2763 YS-YS BAX YSCD 2765 NEXT I

2763 YS-YS BAX Y(1)

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STAS FRINT "SAUCK NAME = : F & F INTERHAL NAME = : 138
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3215 EUGAW 8031-0.35:0.01*(01-00)
                                                                                                                                                                                                                                                                             J220 KEPAN EU310.35,-0.01#(U1-U0)
9255 KETUKN
9255 LWAN EU31X(D),Y(D)
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                           HOVE X((+1), Y2(1+1)
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+ 3138 HOUE X(17.2)
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3135 FUR F=1 TO 5.7
-45 EUGAW RU310.550
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ABSS NEMS (FS N9)
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STADS FIRM I STADS OUD STADS FERMI SHALD FALC IN EXIERNAL TAPE URIT IS NOT A IDE DATA TAPE* KEMANO - PRINTED LINE HEIGHT REMANI - FRINTED CHARACTER HEIGHT REMAILS - WINTH OF SFACE REMAINS - WINTH OF A CHARACTER HOUSE 0U3:X0+H2*1.1,Y0+0.1#H0 FOR 1=220 10 350 STEP 50/243 8930 REMAIN - FRINTED LINE HEIGHT HOUS BUSING HIG/26, YO HIZ/20 FUN 1=0 TU 180 STEP SO#3/2 5405 KIM# FLUI OBSERVED DATA FIRM BUST41/50/H1#5/50 6730 UTENTONE 07139,0,100 6740 WIPPON 0,130,0,100 8516 979 UFORT 0:130:0:100 FOR I-1 10 S0/2 FORSW 903105-H1/S0 REERAM 013:-H1/50:0 on 1-1 10 89/2 FDRAW PUSTHI/80/0 0.02/18:Eug wends KHKAW PUTTO, H1750 KPSK68 PUSTII1750+0 FUR I-1 10 50/2 FOR U1 1-1 ROY KUTAIL T1270 ZOPP BURNINGS RAID THE PRINT BULLET \$138930 J.JS 00-60 6220 SET BENKER CZIS KEMYERAU MU 5415 60500 3395 LUTATE I H1-1.88 HO- 2.82 H3-1.55 2020 KE LUKR SLYN FIRE 1 50-15 TEXT OFFE - 157 5175 OLD 6750 6760 6770 6730 60208 64.49 0537 01.35 0111 010 2020 6416 94.49 030/ 6790 0007 6445 011.25 7000 79.39 7040 6073 05.00 +++++;

SISS PRINT PUSSES

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19999 PRINT 'NO UC PLOTS ARE AVAILABLE FOR PLOTTING'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9500 REM KOUTTHE TO DRAW UPSIDE DOWN ARROW
- PRINTED CHARACTER HETGHT
                  8050 REMEND - WIDTH OF STACE ROOFO REMEND - WIDTH OF A CHARACTER
                                                                                                                                                                                                          8299 KEN KOUTINE TO LABEL Y AXIS
                                                                         FUK . -95 10 265 STEP 15 ROLATE I
                                                                                                        REENA @U3:H3/SO#1.3.0
                                                                                                                                   RULATE -5 . RURAW PU3:0,-10#H3/50 RANDE PU3:H3:0
                                                            MPPLE BUS:X0-111/2,Y0
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FOR 1=1 10 0011
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REMPLACLFASSER IN CONTAINING NUMBER IN CHARACTER FORM THAT
REM - 15 10 WE PRINTED OUT TO 3 BECIMAL PLACES
                                     RESULTANT STRING ISTPASSED BACK IN L* FORMAT OF RESULT SD. DDD WITH LENGTH OF
KEM KOUTINE TO PRINT NUMBERS TO 3 DECIMAL PLACES
                                                                                                                                                             61700 KEM NUMBER IS IN SCIENTIFIC MOTATION
                                                                                                                                                                                                                                                                                                                 10 -00 OF 61020,61610,61800
                                                                                                                                                                                                                                                                                                                                                                                                                                                     61830 REM SECTION TO PAINT BUT 4>0
                                                                              004F0S(L*,*E*,1)
IF 00450 THEN 61200
L*=SEG(L*,1,6)
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                                                                                                                                                                                                                   00.0 THEN 61880
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.60809. A ... NEFORE THE LINE NUMBER INDICATES IT IS BRANCHED TO AS A BUBROUTINE (VIA THE FULLOWING LINE NUMBERS ARE BRANCHED TO BUT DO NOT

10 DIM XICA)

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Computer Sciences Corporation" in 
Data Systems Laboratory*
NATIONAL SFACE TECHNOLOGY LABORATORY
                                                                                                                                      NSTL Station, Mississippi 39529'
                                                                                                                                                                                                                                                                                                                                                                  *EXTERMAL LABEL*:Y$: IS NOT EQUAL TO TAPE LABEL*1A$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FINT INSERT INS HISTORY TAPE IN EXTERNAL TAPE UNIT #
                                  ID SETS MANAGEMENT
                                                                                                                                                                                                             Version*,2x,4a
FERRUARY 18,1981*
                                                                     Prodrammed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRINT *** ENIER EXTERNAL LABEL ON HISTORY TAPE.
                                                                                                                                                                                                                                                                                                                                                                                        . WOULD YOU LIKE TO STOP? (YZN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   *FRESS 'RETURN' TO CONTINUE .
                                                                                                                                                                                                                                                                330 FRINT FEESS TRETURN' TO CONTINUE *!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     *CNTCR DATE NM/DD/YY .*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FINIER USER-ID.
                                                                                                                                                                                                                                                                                                                                                                                                                         E4 €-Y* THEN 2100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DY4 THEN 2120
                                                                                                                                                                                    310 PRINT USING 315:X$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          *X:Zna ingn.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRINT RUZ, 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  340 FROM PURIUM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           618 Yt(6)
                                                                                                                                                                                                                                                                                                                                                                                                         $41 JO.;N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2360 FIND 2 ·
                 120 FRINT
                                  130 FRINT
                                                    110 FRINT
110 FAGE
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[40] DIM F(34),X0(31),W(7),H9(31),M8(31),D0(31),O1(31),D2(31),D3(31)
                                                                                                                                                                                                                                                                                                                                                                                  *INSERT NEW HISTORY TAPE IN UNIT *102 *PKESS *KETUKN* TO CONTINUE *
                                                   *ENTER HISTORY LABEL (IDSXX...X)*
                                                                                                                               141 KEM PAKMS FOR UNWEIGHTED LEAST SQUARES
142 KEM UAK(Y)=K4(A+UX)^2
143 KEM WHEKE K≠FOOLED VAKIANCE OF Y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           255 PRICE BASERF H DAFA TAPE INTO 4052
                 100 PRINT "ENTER DATE (mm/dd/ss)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .030 FRINT eU2: 'FLOTFILES#'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1120 FRINT GU2: *PLOTSGC***
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2040 DIN X(400),Y(400)
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                                                                        INFUT C$
                                     10 INFUI B4
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                                                       120 FRINT 1
130 INPUT 0
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80 F(29)±1
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10 U2=11
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FENTER OL HISTORY FOR .04"
-ENTER MEANGUR CENTRAL STANDARD) FOR .04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5957 PWINT "ENTER LOWER LIMIT FOR PRECISION"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3060 FKINT 'ENIER UPPER LIMIT FOR PRECISION'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 *ENTER LOWER LIHIT FOR ACCURACY*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        054 PRINT "ENTER UPPER LIMIT FOR ACCURACY"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            300 F(2)=(W1*M5-M1*M2)/(W1*M3-M1^2)
310 F(1)=(M2-F(2)*M1)/W1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        D=B1(Y(I)-F(I)-F(2)*X(I))^2
                                                                                                                                                                                                                                                         WO=(0,4342+1,1734#X(I))--2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           350 F(23)=1-E/(M4-M2-2/F(8))
                                                   2095 FINE 2
2100 FOR I=1 To P(B)
2120 THPUF #333X(I)+Y(I)
                                                                                                                                                                                                                                                                                                                              MACHAT(I) *Y(I) #WO
MS-MS FY(I) *X(I) #WO
                                      film X(F(U)),Y(F(B))
                                                                                                                                                                                                                                                                                                            OM*(I)*X(I)X+EH=EH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      350 FOR 1'-1 10 F(8)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2460 P(6)=U/(P(B)-2)
                                                                                                                                                                                                                                    FOR 1=1 TO, P(9)
                                                                                                                                                                                                                                                                           MI-MI-X(I)*MO
                                                                                                                                                                                                                                                                                            OM# (I) X+CH=CH
2074 F(4)=0,01085
2086 INPUL F(8)
2096 AIM X(F(U)),Y
                                                                                                                                                                                                                                                                                                                                                                                                       C=W1*M3-N1^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2420 F(29)=1
2430 F(27)=F(6)
                                                                                                                                                                                                                                                                                                                                                                                                                        (10)-W1/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                             190 F(12)=H3/C
                                                                                                                                                                                                                                                                                                                                                                   W1-U1+W0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  320 F(4)=F(1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  330 F(S)=F(2)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             390 P(3)=2
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3200 FRINT 6U2: HOH RL.04***

3210 FRINT 6U2: HOH RL.04***

3210 FRINT 6U2: H. P. S. XO.707.70. HO. XO.100.XO. HO. G. XO.10

4020 FRINT 6U2: H. F. H. F. H. F. R. S. B. (OR STANDARD) FOR .216*

4020 FRINT FRIER AL HISTORY FOR .216*

4030 LINEUT M.

4030 FRINT FRIER LAWER LIMIT FOR ACCURACY*

4051 FRINT 1 ENTER LOWER LIMIT FOR ACCURACY*

4052 INFUT I

4053 OD-I

4053 OD-I

4054 FRINT 1 ENTER LOWER LIMIT FOR FRECISION*

4055 OD-I

4055 OD-I

4055 FRINT 1 ENTER LOWER LIMIT FOR FRECISION*

4056 FRINT 1 ENTER UPPER LIMIT FOR FRECISION*

4057 OD-I

4058 OD-I

4059 FRINT 1 ENTER UPPER LIMIT FOR FRECISION*

4050 FRINT 1 EU2: HOH AL.216**

4050 FRINT 1 EU2: HOH AL.216**
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5065 [17=3] 5070 K=0 10040 REM END OF PROGRAM

100 INIT 110 FRIHT @32,26:0

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KEM THIS FROOKAM IS SUFFOSED TO UPDATE THE HISTORY FILE BETWEEN REM EACH DAILY RUN. IT IS SUFFOSED TO LEAVE IN THE INFORMATION REM ABOUT PREVIOUS DAYS SO THAT THE OC PLOTS WILL SHOW DAILY REM FROCKESS. IT IS SUFFOSED TO REMOVE THE INDIVIDUAL PLOT FILES REM SO THAT A "FRESH" HISTORY TAPE EACH DAY.
                                                                                                                                                                                                                             * INSERT HISTORY TAPE INTO INTERNATI TAPE DRIVE" * HANE SUKE WKITE FROTECT IS NOT ON SAFE*
                                                                                                                                                                                                                                                                                                       - DEVICE NUMBER OF INTERNAL TAPE. DRIVE
                                                                                                                                                                                                                 * BEGIN FROGRAM TO UPDATE HISTORY TAPE*
                                                                                                                                                                                                                                                                                                                                                                                                            - USLI AS A TEMPORARY INDEX VARIABLE
                                                                                    05/04/8)
COMFUTER SCIENCES CORFORATION
19A4C WILLY TWAXLER
                                                                                                                                                                                                                                                    310 FRINT * PRESS HONE PAGE TO START PROGRAM*
320 FRINT * SKJ*
330 FRINT * REGIN PROCESSING*
                                                                                                                                                                                                                                                                                                                                                                                                                                     *** SECTION TO UPDATE FILE 1 ***
                                                                                                                          NSTL STATION, MS.
                                                                                                                                                                250 REM 10 SOME PRELIMINARIES
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REM AUTHORS
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*INCLKE STATISTICS PROGRAM TAFE INTO INTERNAL TAPE DRIVE* *PRESS *HOME PAGE * TO CONTINUE*
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                                                                                                                                                                                                700 REH *** END DF FILE 2 SECTION *** 710 REM FIRD DEGINNING OF TAPE
440 KEH PUT, TAFE AT REGINNING OF FILE
                                                                                                                                                                                                                                                                                                                                                                                                    220 KEH *** END OF SECTION FOR FILE 280 KEH FIND BEGINNING OF TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      379 FRINT * LAPE ("GOESSING FINISHED"
                                                                                    660 NEH *** SECTION FOR FILE 2 ***
                                                                                                                                                                                                                                                                                           730 REH *** SECTION FOR FILE 3 ***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 390 KCH *** SECTION FOR FILE 4
                                                                                                                                             600 FRINT BULL::SYSTEH*****
                                                                                                                                                                                                                                                                                                                           740 FIND 3
759 PRINT BULLTLUTFILES**
760 CLOSE
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820 FFINE BULL*FLUTSUC****
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                                              650 FIND 0
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100 DIM X(100),Y(100),F(2)
101 FRINT *INSCRI SCRATCH TAPE IN UNIT 11*
                                                                                                                                                                                                                                                                                                           IF ACA1 OR 10<>11 OR D<>01 THEN 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1153 FKINT @111519,4,4,~0,0182,65,83
1154 FKINT @111520,3,3,~0,1192,65,22
1155 FKINT @111529,4,4,~0,6725,66,61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1152 FRINT @11:519,2,3,0,2956,65,99
1153 FRINT @11:519,4,4,~0,0182,65,83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7(C) = (H&M2-H1*M5) / (N*H3-H1_5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1150 TETPT PILITY TO A F (1) P (2) 1150 TE TYP (0) = 2 THER 220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1151 KEM FARMS FOR 519 AND 520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10000 REM GET CALIBRATION DATA
                                                                                                                                                                                                                                                           IF TYP(0)<>2 THEN 1000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P(1)=/82-F(2)*81)/N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   H3-H3+K(I)*X(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MA-NAFY(1) FY(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HD- HD+Y(I)*X(I)
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19830 14-586(RE-7+1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10010 D$=SEG(B1.4,3)
                           102 FINE #1110
103 HARK #1112,50000
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GUSUR 10000
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FIND 03512
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THE REPORT OF THE PARTY OF THE

10040 II=VAL(IS)
10050 A4=SEG(BS:27:1)
10050 A1=VAL(A8)
10070 F4=SEG(IS:20:6)
10080 F0=VAL(F3)
10090 T8=SEG(BS:14:6)
10100 F=VAL(T8)

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THE FOLLOWING LINE NUMBERS ARE BRANCHED TO BUT DO NOT EXIST IN THIS TAPE FILE (# 9)
A "-" REFORE THE LINE NUMBER INDICATES IT IS BRANCHED TO AS A SUBROUTINE (VIA A "GOSUB" OR "ON")

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CKEATE A NEW HISTORY TAPE
REFRESH HISTORY TAFE.
KUN STATISTICS FRUGRAMS.
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WHICH OFTION> (1,2,3,4).
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.037,2.035,2.033,2.03,2.028,2.027,2.025,2.025,2.023,2.02
                                                                                                                                        130 MEM 6391GN DEVICE NUMBERSTFIND FILE 2 OF HISTORY TAPETBKIP RECORD
                                                                                                                                                                                                                                                                                                                                                                                                                                          2.706.4.363.3.182.2.776.2.579.2.451.2.366.2.307.2.262.2.28
                                                                                                                                                                                                                                                                                                                                                                    DIB X1(32),Y1(32),X2(32),Y2(32),N2(32),B6(32),N0(B),P(34),B7(32)
DIB S(B),H6(B),H7(5),NB(B),H9(B),F0(34)
                                         110 REM MAKE SURE SCREEN DOES NOT AUTOMATICALLY PAGE WHEN FULL
                                                                                                                                                                                                                                                                                                HIM 24(25),04(20),04(2),F$(10),E$(72),T$(127),B$(127)
HIM R1(6),Y$(30),X$(30),K$(2),A$(6),N$(1),S$(1),U$(7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                THE LABEL ON THE RMA DATA TAPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               330 NEW CHECK HISTORY TAPE HEADER AND GET N9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       * CHULLY KMA TAPE IN 4051*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A30 KEMB INITIALIZE PLOT FILES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               350 REMAINITIBLIZE PLOTFILES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IF LEN(2*)<13 THEN 610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TE NºT THEN 500
                                                                                                                                                                                                                                                                             #84411309 Jaki
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                                                                                        120 PRINT #32+2610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     370 F*=*PLUIFILES*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            390 GUSUB 60000
450 FINB 6U2:R9
410 FWIHI 6U2:F#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FOR I=1 TO 71
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              450 FIND 002: 19
                                                                                                                                                                                                                              FIND GU210
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                                                                                                                                                                                                                                                     FIRE PUZ:2
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TINI 001
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590 IF YE-ZF THEN 240
400 FRINT *LAKEL ON TAPE IS *17*
510 FKINT *WKUNG KMA TAPE OK WRONG LABEL GEGGGGGGGGGGGGGGGGGGGGG
                                                                                                                                                                                                                                                                                                                                            FEINT 'This program processes agent 'that' DNLY' FKINI 'Enter serial number (A)'
                                                                                                                                                                                                                                                                                                                                                                                     "Enter the unalyst's initials (asa)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TEANSFORM OPTIONS FOR CALIBRATION.
                                                                                                                                                                                                                                                                                              1010 REM H$ is used to hold name of agent.
                                                                                                                                                              *GGGGGGG*
*INSERT PROGNAM TAPE IN 4051*
                                                                                                                    FINTA IS DEING PROCESSED.
                                                                                                                                                                                                                                                                                                                                                                                                                                 DEFAULT TRANSFORM FOR OB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          J ENTER OFIION (1,2,3)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1155 GO TO 00 OF 1156,1158;1170
1156 P(32)=1
1157 GO TO 1170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1210 REM check for end of file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF 00<1 DK 06>3 THEN 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             no transform"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               = 1n(X)*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1160 KEM skip header pseerd
FIH Z4(13), Y5(13)
                                                                                                     550 MF=SEG(F4+18+2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1100 logur 6011B$
                                                                                     640 INFUT PULITY
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CG TO 1152
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                                                                         630 60 10 500
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"Francising Calibration Data for "INS KEM Load calibration data into X2 and Y2 1350 Eth now load transformed data into XI.YI 1650 FFM Process Calibration Data 1360 60 10 00 0F 1400+1500+1600 Y1(1)+1:06(-Y2(1)+P(31)) end of load southing 71(1)+72(1)+F(31) (1(1)+L06(X2(1)+F(32)) 1390 KEN Xeln(X) transform 1592 bern no transformation IN COLONA THEN 1220 X1(1)-X2(1)+P(32) 71(1)-12(1)+f(31) X1(1)-X2(1)+F(32) IF A. 2 THEN 1370 INFUT PULLES 1F A 1 THEN 1220 X4: SEG(84,27,7) X4-DEG(B4.48.7) Y2(N)-UAL(A1) C4-..EG(X8+1+2) X3(II) = NVF(XI) 1400 FOR 1-1 TO H 1400 FUK 141 TO N 1470 KEN YATECO 550 FOR IST TO N 0000 COSTIN COOP 60 10 1220 1791 01 00 0041 15.00 / 0 10 1660 A-IYF(0) 130 1.115 ... 1477 WX1 1 I AKE N-T-X \$17-18 } 1370 Birls 14' 12 0'51 1640 FFM Э 0111 00 0071 1350 0141 3 0121 ++121++ ***** +++1+++ +++1++ + 1 + 1 + 1 + +++0++

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16. Lalibration of Instrument Response . 100
                                                                                                     P(2)=(P(8) #H5-H1#H2)/(P(8) #H3-H1#H1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GET PAKANETER FOR T US F
                                                                                                                                                                                     1990 F(23) #1-6/(H4-H24H2/P(B))
                                                                                                                                                                                                                                                                                                                                      YA- COULLMENTON.
YE- THE HUMENT RESPONSE.
                                                                                                                   F(1)*(N2-F(3)8H1)/P(8)
H3-H31X1(1)4X1(1)
              MARMARY (I) EYI(I)
                          HS-HSFXI(I)#YI(I)
                                                                                                                                                                          (97) FUR T=1 TO F(B)
                                                                                                                                                                                                                                                                                                                                                                  05-56 G (1:4 : 1 4 : 2 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2219 60 M Process BL 1
2219 613 69556 16009
                                                                                                                                                                                                                             (010 F(6) = B/(F(B)-2)
                                                    C=P(8) #N3-N1 8N1
P(16) =P(8)/C
                                                                                                                                                                                                                                                                                                                                                                                            Heror GC: $112,23
                                                                                                                                                                                                                                                                                                                                                                                                                                  41.9E6(86+16-12)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      THE ALT SHEEP P
                                                                                                                                                                                                                                                                                                                                                                                                                                                              60°08 51000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G6791B & 30050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7. 1.6
70, 08 7003
                                                                                                                                                                                                                                                                   2046 P(27)=P(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2154 F&L*HR* BMS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2270 COUNTY 3500
                                                                              F(11) *M1/C
                                                                                           F(12)=43/C
                                                                                                                                                                                                                                                                                                                            FIN Y8(30)
                                                                                                                                    F(4) = F(1)
                                                                                                                                               F(5)=P(2)
                                                                                                                                                                                                                                                                                                                                                                                                                      117-1111-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                タポコ マジェスご
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04 PC113×0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11321-0
                                                                                                                                                                                                                                          0.00 F(9)+1
                                                                                                                                                                                                    YUD LEXT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1:01 SKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NOW 2415
                                                                            1950
                                                                                                      1910
                                                                                                                                                                                      0/2
                                                                                                                                                                                                                                                                                                                                                                                                                    051.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                            2169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ₹6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8577
                                                                                                                                                                                                                                                                                                                                                   201
              040
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1F H2(J) C>0 OR X1(J) C>X1(J1) THEN 3410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3100 SEM Determine number in each group
                                                                                                                                                                                                                                                                                                                                                                                                           1F 42(J1)=0 THEN 3180
                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF N2(3) =- 1 THEN 3090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IF 112(3) 4-1 THEN 3160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NOTHER CLUB ALTHOUGH COLOR
                                                                           2320 NEH Input Actual Bata
                                                                                                                                                                                                               YS SEGGESTIB:2)
IF YS-CYPE. THEM 2360
                                                                                                                                                                                                                                                                                                                 2999 SEM Deteraine Grouns
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3100 1F JICH THEH 3210
                                                                                                                                                    AC2 THEN 2460
                                                                                                                                                                                          A:21 THEN 2350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3120 IF 340 THEN 3170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               N 01 1411-1 HO: 92.
                                                                                              2330 PAG
2310 FINE BULLI
NSO INFUL BULLES
                                                                                                                                                                                                                                                                                                                                                                                             BOLD FOR JINE TO M
                                                                                                                                                                  901:E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3130 FUR J-1 TO H
                                                                                                                                                                                                                                                                                                                                                                                                                                               N 01 1-6 909 0302
                                                                                                                                                                                                                                                    2440 60508 10000
                             G05.0B 7000
                                      2300 GONUB 3500
2310 COSUB 3750
                                                                                                                                                                             60508 5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     199 CB 10 2020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (16.) 13-71(31)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11/11 611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N-(1010H 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   $1.8$(L=11.0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31.3 H2(N)= 1
.40.*10 oacz
                                                                                                                                                                                                                                                                                                                                                                                                                      2340 HEXT JI
              2285 07±0.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C IXTH OSOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TIFO HEY! J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3179 PE1UFI
                                                                                                                                                                                                                                                                            2460 51-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3210 SCA41
                                                                                                                                                                                                                                                                                                                                                                                  3010 N2±0
                                                                                                                                                                                                                                                                                                                                                                                                                                   1979 NJ-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3116 NO-0
                          2270
                                                                                                                                                    2379
                                                                                                                                                                                                                            0757
                                                                                                                                                                                                               0110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51.40
                                                                                                                                                                            23.40
                                                                                                                                                                                        2400
                                                                                                                                                                                                                                                                                                                                                                                                          30.50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        215.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 +++3+++
                                                                                                                                                                                                                                                                            +++1+++
                                                                                                                                                                                                                                                                                                                                                                                           1112111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     +++1++
                                                                                                                                                                                                                                                                                                                                                                      ----
                                                                                                                                                                                                                                                                                                                                                                                                                                  +++11+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1++1++
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ADJUSTHENT FOR CALCULATED RECOVERY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PETRI PUZICEP(25),P(26),P(28)
                                                         3440 F J2 > 1 AND J5<>0 THEN 3020
                                                                                                                                                                    P(25),P(26)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      341.0 F(26)= SOK(52/J-P(25)*P(25))
                                                                                   IF N2(J) CK THEN 3470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IF US-11.0E-6 THEN 3650
           3200 J3=J3+Y1(J)
3400 J4=J4+Y1(J)&Y1(J);
3410 NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                      06=52/J-F(25)#P(25)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3749 REM urdate FLOTSOC
                                                                                                                                                                                                                                                                                                                                                                                                        52-52+X1(I)#X1(f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IF A 32 THEN 3010
INFUL 602161
                                                                                                                                                                                                                                                       IF N>0 THEN 3580
                                                                                                                                                                                                                                                                                                                                                                                X1(1)+X1(1)/07
                                           35+34-33433/32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFUL RUZ-6:A
                                                                                                                                                                   1477 REM XI (N2(I))
                                                                                                                                                                                                                                                                                                                                                                                             (1) 1) + 19-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TO FRINE PUBLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                50. 6 BE-FIST1.69*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       000007 40509
                                                                                                                                                                                                                                                                                                                    3580 FOR I-1 10
                                                                                                                                                                                                                                                                                                                                                                                                                               P(25)+51/J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         $150 GO 10 3570
                                                                                                                                  3490 60 10 3020
                                                                                                                                                                                                                                                                                                         GO TO 3660
                                                                                               N2(7) 4-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3710 BUSHSEL
J2-14J2
                                                                                                                                                                                                                                                                                 P(25)=0
P(20)=0
                                                                                                                                                                                                                                                                  F(25)+0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             34.45 P(25)...0
34.40 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                            3440 F(EB)-J
                                                                                                          NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3660 KETUKH
                                                                                                                                                                                                                                                                                                                                                       3593 KEM
                                                                                                                                                        3448 KEN
                                             3420
                                                                                   3-150
                                                                                               1400
                                                                                                           347.0
                                                                                                                                                                                                                                                                                                         35.70
                                                                                                                                                                                                                                                                                                                                 3590
                                                                                                                                                                                                                                                                                                                                                                               2422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ++1111+
                                 +++11++
                                                                                                          +++1+++
                                                                                                                                                                                                                                                                                                                     +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  +++11+++
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5020 REM see if it is data or comment record 5030 IF X#<>*1** AND X#<>*3* THEN 5130 5040 X#*SEG(H#)18+2) H7(N2(I))=H7(N2(I))+Y1(I) H8(N2(I))=H8(N2(I))+X1(I)*X1(I) H9(N2(I))=H9(H2(I))+Y1(I)*Y1(I) 1999 REM check for accortable record 5110 KEM check analyst's initials M6(N2(1))=H6(N2(1))+X1(1) 5080 KEM check serial number 6299 KEM Get data for OL & IF H2(1)<1 THEN 6130 5050 KEM check agent code 1F X4CHS THEN 5130 5090 IF X8<> N# 1HEN -5130 5100 X#=SEG(58,87,3) 5999 REM GROUP MOVEHENTS 5120 IF X4=V8 THEN 5140 5070 X\$-SEG(H\$,20,1) 5010 X8-SEG(B8.6.1) FOR I=1 TO K THEUT CULTES 3890 FKINT 002+21 2010 FIRE PUL:0 2020 FIND PULL N7=14N7 7040 A=TYP(0) 3900 KETURN 5140 RETURN HEXT 0=9H N7=0 H8-0 HV::0 0=V 0:N 0000 5030 n=1 5130 0007 0965 0107 0209 6120 66.10 **(1000** 4650 0207 9609 9100 4110 7030 +++2+++ 111111 111111 1112111 ----3----

* AND (US="QP" OR US="QL"). THEN 7130 7300 KEM end of case statement based on transformation 7260 X=EXP((Y-P0(1)+P0(31))/P0(2))-P0(32) 7120 KEMcheck for control concentration 10010 Y0*VAL(Y\$) 16620 GO TU 00 OF 10120,10040,10150 9978 KEM set actual data from B\$ 7180 GD TD UO GF 7260,7190,7290,7190,7290,7190,7290,7190 Y=1.0G(-Y+F0(31)) 7230 X=(Y-F0(1))/F0(2)-F0(32) 7240 GD TD 7310 no transform . THEN 7040 7290 X#(Y-F0(1))/F0(2)-F0(31) 7150 IF C=0 THEN 7160 7150 IF VAL(Y\$)<>C THEN 7040 Calibrate OC Data X=ln(X) 7110 IF W\$<>0\$ THEN 7040 10040 YO=LUG(-YOFFO(31)) 7070 GGSUB 5000 7080 IF AC\1 THEN 7040 7090 W\$=SEG(B\$\118\2) 9999 KEd Peak Heights 16600 Y\$=SEG(B\$,48,7) 7100 KEM488 IF 08=* 7160 Yt-SEG(B\$,48,7) Y\$#SEG(B\$,97,7) 7310 W\$=SEG(B\$,62,7) Y\$=SEG(B\$19717) 7060 INFUT #U1:84 1 ases KIN Case 1 7250 KEH case 2 7280 KEN case 3 X=X#VAL(WE) 7273 CO TO 7310 7170 Y+UAL(Y\$), 2460 GU TU 2640 2410 RETURN IF WS='NO Y=VAL (Y\$) Y=(11) 2Y 042 X=(N)TX 376 X2(N)=X 780 Y1(N)=Y 7-1-7 7175 KEH 7070 2.10 3.0 3.30 035 +++1+++ +++1++ 4441444 +++1++ 111111 1112111 +++1++

10120 X0=EXP((Y0+F0(31)-P0(1))/F0(2))-P0(32) 10420 IF 1RT((N-1)/20)#20(N-1 THEN 10630 10150 X0-(Y0+F0(31)-P0(1))/F0(2)-P0(32) WF KCF ("Actual Data for ",24,14) no transform 10090 X0=(Y0-F0(1))/F0(2)-P0(32) 10150 REM .end of case statement 10400 KEM Frint out Actual Data X=ln(X) 1020S REM GET BURBLER VOLUME 10370 X0:X6x09/(YkZ)*1,0E-3 19339 L0:L6x90/(YkZ)*1,0E-3 10496 U0:U0*U0/(YkZ)*1,0E-3 B1=KEF('Date:',52,5) 1F X-2Y THEN 10330 TOTAL REM GET DILUTION 10172 X04(X0-P(1))/P(2) 10175 X04X0/0.9 10340 KÉM Get Airflow X4::DEG(B14:124-2) Y8::DEG(B14:122-2) X\$=SEG(B\$,124,2) Y\$=SEG(B\$,120,2) 10190 X4-SEG(B4,62,7) B\$=KEP(H1,40,2) 10210 X4:SEG(B\$,59,7) 10220 GO=RO#VAL(X\$) Y\$=SEG(B\$,90,7) 10230 REM Get Time Z+09*(X-X)=Z 10110 KEM case 2 10136 60 10 10170 10140 REM 2354 3 10100 GO TU 10170 10180 GUSUB 15000 10200 00=VAL(X4) 10360 Y=VAL (Y\$) (\$X) TUA =X Y=VAL(Y\$) X=UAL (X1) Y=UAL(Y1) X-X+24 10170 YO-XO 10430 P#+E* X=X-X 44±21 01001 10450 111111 +++11++ +++5+++ +++1++

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13999 KEM check if data is from location "DR", "CR", "RA", "LA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14000 Y$=SEG(T$.116,2)
14010 IF Y$="UM" OK "CR"=Y$ OR Y$="RA" OR Y$="LA" THEN 14030
14020 L$=SEG(E$.1,00)
                                                                                      ...24,29)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Solve Linear Regression in Réverse .. for Upper and Lower Confidence Limits Y0,X0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    U=0.975
                                                BS=KEP("Agent Concentration", 29, 19)
FRINI "11.584
                                                                                                                    El-Kiff (*Samele Location*,5,15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   L=0.025
                                                                                                                                              B$=KEP("Lower 95%",32,9)
B$=KEP("UFFer 95%",44.9)
                                                                                                                                                                                                                                                                                                                      1F X0=>1.0E-3 THEN 10730
                                                                                                                                                                                                                                                                                                                                                        B$=KEP(L$,24,00) - ... IF X0<1,0E-4 THEN 10822
                                                                                                                                   14-KEF("True",25,4).
                                                                                                                                                                       MARKEP("11HE", 59,4)
                                                                                                                                                                                                                                                                     X4=SEG(T$,116,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E4=REP(L1,46,00)
L1=SEG(T1,120,4)
U1=REP(L1,56,4)
                                                                                                                                                                                                                                                                                                                                                                                                                     84±KEF (1.5, 3.4, 00)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     L*-SEG(T$,124,4)
                                                                                                                                                                                                                                              X*=SEG(T$,21,6)
B$=REP(X$,5,6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1-VALUES
N=KEP(D1,58,8)
                                                                                                                                                                                                         10620 KEM Frint Data
                                                                                                                                                                                                                                                                               B$ -KEP(X$, 15,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B5=KEF(L$,62,4)
              PRINT .J' 1118
                                                                                                                                                                                                                                                                                                         GOSUR 58000
                                                                                                                                                                                                                                                                                                                                                                                              G059B 58560
                                                                                                                                                                                                                                                                                                                                                                                                          GUSUB 14000
                                                                                                                                                                                                                                                                                                                                                                                                                                             60SUE 58000
                                                                                                                                                                                                                                                                                                                                                                                                                                                         G0SUB 14000
                                                                                   ES=KEP("---
                                                                                                                                                                                                                                                                                                                                                                                 LE=21R(U0)
                                                                                                                                                                                                                                                                                                                                                                                                                                  LASTR(LO)
                                                                                                                                                                                                                                                                                             L1=STR(X0)
                                                                                                                                                                                                                                                                                                                                 10710 L.S=L$8.**
                                                                                               FRINT B&
                                                                                                                                                                                  10610 FRINT BS
                                                                                                                                                                                                                                                                                                                                              00=1+00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    130 50 KUURH
                                                                                                                                                                                                                                84-E$
                                     115 × E 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FFR
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               10400
                                  100.00
                                                                                                                                 00001
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                          00401
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                                                                                                                                                                                                                                +++1++
                                                                                                                                                                                                                                                                                                                                                        1+11+1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ---2---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11:111
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33=13+(E(11)-2-F(10)+A2)+P(2)+P(3)+A2+B2+(10)+B3-24P(2)+P(11))
                                                                                                                                                                                                                                                                                                                                                                                                                                                        FRINT "Frocessing OL & OP Found of Target data for "IN$
                                                                                                                                                                                                                                                                                                                                                                                 15190 REMAAAAPRINI *IHAGINARY ROOTS!
                                                                                                                                                                                                                                                                         (3=17(F(8)-2)*SuR(A3*P(6))
                                                                                                                                                                           B1=P(2)+(Y7-P(1))-P(11)#13
                                                                                                                                                                                                                                                            P(0):42 THEN 15134
                                                                                                                                                                 01=F(2)*F(2)-F(10)*T3
                                                                                  IF F(B)<42 THEN 15050
                                                                                                                                                     3=17(F(B)-2)-2*P(6)
                                                                                                                                                                                                                                                                                                 83=1,96#SOR(A3#P(6))
                                                         15030 YO=(YOFF(31)) "P(29)
                                                                                                                                                                                                                                                  A3-0 THEN 15190
                                                                                                                                                                                       A9=(X7+F(30))~P(7)
                                  15020 KEM Transform YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1F N=0 THEN 16570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FOR I=1 TO P(8)
                                                                                                                             T3=3.8416#P(6)
                                                                                                   15043 REM T-VALUE
                                                                                                                                                                                                                                                                                                            (7=(H1+H3)/A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        M1=M1+X1(I)
                                                                                                                                                                                                                                                                                     50 10 15140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GUSUB 20000
                                                                                                                                                                                                             12=A91P(12)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   G05U8 25000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GUSUR 7000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           000E 80S09
                                                                                                                                                                                                                                                                                                                                                                                                         1.0 = 10000
                                                                                                                                                                                                                                                                                                                                                                                                                     X7=10000
                                                                                                                                                                                                                                                                                                                                                                                                                                 JO = 10000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               F(13)=C8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           F(14): A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              F(3)+3
                                                                                                                                                                                                                                                                                                                                                           RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                             RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  F(8)=N
15000 X7=X0
           5010 U0=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  M2:-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .4150 n4:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       M1:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            M3=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5160 M5-0
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SECTION OF THE CONTRACT OF THE PROPERTY OF THE SECTION OF THE SECT

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S(N2(U))=S(N2(U))+(A1(U)-M2(N2(U))/N0(N2(U))
                                                                                                                                                                                                                                                                                                                                                                                                                                                 19995 KCM
19996 KEM Perform DARTLETT'S TEST for homoseneits
19997 KEM P(6),P(7),Y2(J),X2(NO(J)),KICB,HI
19998 KEM find variance for each level
                                                                                             P(2)=(F(8)#HS-H1#H2)/(P(8)#H3-H1#H1)
                                                                                                                                                                  [0.5]+(Y1(I)-P(I)-P(2)#X1(I))"2
NEXT I
                                                                                                                                                                                           P(23)=1-0/(H4-H2#H2/P(B))
                                                                                                                                                                                                                                          16430 Lta-Found vs Target *10$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-89 FUR J=1 TO N
26-89 IF N2(J)=-1 THEN 20110
                                                                                                        P(1)=(H2-F(2)#H1)/P(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S(J)=S(J)/(NO(J)-1)
IF S(J)=0 THEN 20370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20000 DN SIZE THEN 20370
 H3-H3+X1(I)*X1(I)
H4=H4+Y1(I)*Y1(I)
                       MS=MS+X1(I)#Y1(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20020 IF K=0 THEN 20270
                                                                                                                                                        FUR I=1 TO P(8)
                                                                                                                                                                                                         F(6)=U/(F(8)-2)
                                                                                                                                                                                                                                                                                                                              D$=SEG(F$+14+2)
D$=F$3.7*
                                                                                                                                                                                                                                                                                                                                                       WI=566(64,12,2)
                                                                                                                                                                                                                                                                                                                                                                                           W4.SEG(R4,16,2)
                                              C=F(8)*H3-H1#H1
                                                                                                                                                                                                                                                                                                                                                                        ./.854-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20110 NEXT J
20120 FOR J+1 TO K
                                                           F(10)=F(B)/C
                                                                                                                                                                                                                                                                                                                                                                                                                  GUSUN 41000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0002 BUSDS 6000
                                                                                                                                                                                                                                                                                                                   Xt="Target"
                                                                                                                                                                                                                                F(29)=1
P(27)=P(6)
                                                                       P(11)=H1/C
                                                                                                                                                                                                                                                                                           LIN Y$ (30)
                                                                                   P(12)=H3/C
                                                                                                                                                                                                                                                                                                        Y$x*Found*
                                                                                                                                                                                                                                                                                                                                                                    1083U=10
                                                                                                                    P(4)=P(1)
                                                                                                                                 P(5)=F(2)
                                                                                                                                                                                                                                                                                                                                                                                                      14:04:01
                                                                                                                                                                                                                                                                                L*=L**11$
                                                                                                                                                                                                                                                                                                                                                                                                                              6570 RETURN
                                                                                                                                                                                                                     P(9) =1
                                   I LXUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20010 CB=-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20030 63=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .0-8 05002
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                                                                                                                                                                                                                                                                                                                                                                                                                              +++1++
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M2=M2+V1(I)

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20370 PRINT * PARTLETT'S TEST not defined for data set * 188
                                                                                                                                                                                                                                                                                                                                                          A=(NO(J)-1)*LUG(S(J)/53)+A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24999 KEM CHI-SOUARE DISTRIBUTION
                                                                                                                                                                 20230 KEM find correction factor
                                 20160 REM find rooled variance
                                                                                                                                                                                                                                                                                                                                                                                         20350 UB=((N7-K)*LDG(S4)-A)/C
20360 IF CB</br>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25090 A2-10"(5+1NF(-LGF(A1)))
25100 A1=INT(A2*A1+0.5)/A2
                                                                                                            A=(NO(J)-1)*5(J)/53+A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25030 AL#0
25040 IF CB>100 THEN 25020
                                                                                                                                                                                                                                                                                          20296 REM TIEND CHI-SHUARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25120 1F A>100 THEN 25630
25130 AL*1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25000 IF C8=>0 THEN 25030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25670 G0508 25120
25880 IF A1:0 THEN 25020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25170 IF U<A THEN 25320
25180 R1=U
                                                                                                                                                                                                                                    A=1/(NO(J)-1)+A
                                                                                                                                                                                                                                    20250 A=17(NO(J)-1)+6
20270 NEXT J
20260 C=1+A7(3*(K-1))
                                                                                                                                                                                                                     20250 FOR J=1 TO K
                                                                                                FOR J=1 TO K
                                                                                                                                                                                                                                                                                                                                           20320 FOR J=1 TO K
                                                                                                                                            54=A/(N7-K).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20400 OFF SIZE
                                                                                                                              SOCIO NEXF J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25050 A=M1/2
25060 U=C8/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25110 RETURN
                                                                                                                                                                                                                                                                                                                                                                         10340 NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20410 RETURN
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20150 NEXT J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20 590 H1-K-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25140 A291
25150 B2=1
25160 I=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25010 Al=-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29389 08=-1
                                                                                 53=1
                                                                                                                                                                                                      20240 A=0
                                                                                                                                                                                                                                                                                                                            0=U 00E02
                                                                  07100
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ABS(A1/81-A2/82)>1.0E-7 THEN 25200 F ARS(A2/B2-A1/B1)>1.0E-8 THEN 25340 A1=C9*A2+A2+(A+1)*U*A1 B1=C9*K2+B2-(A+1)*U*B1 25470 IF X<10 THEN 25500 A1::A4LUG(U)-U-A1 A1::1-C94EXF(A1) A1=C9*EXP(P2-A1) 12::C94A1+I4U*A2 2=C9*81+I*U*B2 2=E1+(I-4)4B2 3=0*L06(U)-U A2::10-INT(X) GOSUR 25500 GUSUR 25470 60SUB 25470 C9=42/B2 39=E1/A1 A1-B1-U RETURN KE TURN BILLIA RETURN 1 1 U-F1:1 25230 25240 25250 25270 25280 25280 25300 25340 25350 25300 25260 25330 25350 25370 25,400 25410 25430 25440 25.160 25430 25500 25510 25290 25420 25450 25,470 +++1+++ +++1+++ +++1+++ ---5---

12=A1+(1-A) *A2

61=U#A2+1#A1 B1=U#B2+I#B1

25200 25210

+++1+++

25220

25190 B2-U+1-A

FOR 1=0 10 A2-1 X=X-A2 A1-A1-L0B(b1) HI-B1#(X+1) - 00957 RE TURN HEXT I X=X+A2 **BUSUB** 25550 555.30 25540 25550 255.20 25570

A1=(X-0.5)*LDG(X)-X+0.5*LDG(2*PI). A1=A1+1/(12*X)-1/(360*X*X*X)+1/(1260*X*X*X*X) C9=(1-X*X+2)X*L0B(X))/((1-X)*(1-X)) 25700 IF ABS(C9)>20 THEN 25780 75710 THI/(1+0.2316419*ABS(C9)) 1F X-0 OR X=1 THEN 25690 25690 C9=B1*SQR((1+C9)/U) FL -U+1/3-A-0.02/A A1-A-0.5 N-A1/U 25430 02960 2.2576 25500 5610 02958 25450 25680 111111 ----+++1+++

25/20 A1:Fk(0,41938155)T#(-0,354543782+1,781477937#T)) 25/30 A1:A11fk1k1kfk(-1,821255978+1,330274429#T) 25/40 A1:SOK(1/(24FI))#EXF(-C9*C9/2)#A1

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52995 KEM KOUTINE TO PRINT NUMBERS TO 3 DECIMAL PLACES
52995 KEM L&(LFASSED IN CONTAINING NUMBER IN CHARACTER FORM THAT
52997 KEM IS TO BE PRINTED OUT TO 3 DECIMAL PLACES
52998 KEM KESULTANT STRING ISTFASSED BACK IN L$
52999 KEM FORMAT OF RESULT SD.DDD WITH LENGTH OF 7
                                                                                                                                                                                                                                                                                                                                                               SBOZO REM NUMBER IS IN SCIENTIFIC NOTATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TO -00 OF 58200,58190,58180,58175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               58250 REM SECTON TO FRINT DUT #>0
                                                                                                                                                                                                                              58000 K*=SEU(L*,2,1)
58010 IF K*=*** THEN 58120
58020 00=F0S(L*,*E*,1)
58030 IF 00<>0 THEN 58070
                                                                                                                                                                                                                                                                                                                                                                                                                                0020 THEN 58260
002-5 THEN 58150
25750 IF C9>0 THEN 25770
                                                                                                                                                                                                                                                                                                                                                                                                  58080 K* SEG(L*, 40+1,4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REM FIND / OFEN
                                                                                                                                                                                                                                                                                                     38640 Lt=SEG(L$1147)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kt. 5EG(Lt,1,1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               58270 L$=SEG(L$.1,6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            58310 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .00000.0 .=1
                                                    ni≃0
60 10 25750
                                                                                                                                                                                                                                                                                                                                                                                                                  GO=UAL (K$)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                K4-848*0.*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 39999 REM F$ 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .3.857=$1 0879S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  K*--K**-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  58290 L$=L$KK$
                                    25700 RETURN
25780 AI±0
25790 G0 T0 20
                       25750 A1=1-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KE TUKN
                                                                                                                                                                                                                                                                                                                                   SHOSE RETURN
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                                                                                                                                                                                                                                                                                                                   58050 00±2
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                                      )++1+++
+++1+++
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60010 FIND 0U2:1 50000 FINE FUL:0

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50300 FKINI 'Taye in external drive is not a 1DS Data 7 60310 60 10 60280
                                                                                                                                                                                                                                                                                                  69260 FRINT 'File, does not match internal name" 60270 FRINT 'index namem 'fF$f' internal namem' #18 60280 FRINT @U2,21
                                                                                                                                                 *ERROR **** FILE "IFS!" NOT FOUND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     41210 15=" * 41220 FRINT 6U2: USING 61230;T3,F$,'T',I$ 41230 IMAGE 31,10M,1A,20A
                                                                                                                                                                                                                                                                                                                                                                                              60998 KEM Define and Write Plot File 60999 REM M#.L*,X*,Y*,D*,F*,F*
               F J$ >* I F G* 1 HEN 60300
                                                                                                                                                                                                                                                                         F J$4254 THEN 60260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A$<>0$ THEN 61040
                                                                                                                      IF F4=J4 THEN 60170
G0 TO 60050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A >2 THEN 61120
                         -UT BUD, 6: A
A=1 THEN 60140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61170 KEM urdate index
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1=SEG(B4,10,2)
                                                                            J$ .: SEG(B1, 4, 10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AS-SEG(DE1416)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             51180 AT=SEG(F1:1:3)
                                                                                                                                                                                      J$=$EG(84,1.3)
                                                                                                                                                                                                                                                          14=SEG(11$1,1.F)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INPUT QU2:61A
                                                     INPUT BUZ: 14
                                                                                                                                                                                                     N9=UAL(J$)
FIND 6U2:0
FIND 6U2:19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   THEOF BUTTER
                                                                                                                                                               FRINT GU2,21
                                                                                                                                                                                                                                                *# COP INJUI
                                                                                      FELEN(FS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61040
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13=90L (A$)
                                                                     FIR J5(10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61036 FIND 6U2:1
                                                                                                            DIM JY(F)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61900 DIM F#(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         F. 4 -- F 4 8 F 4
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                                                                                                                                                                                                                                                                                     RETURN
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The binding of the same and being the

41240 PRINT 8U2.21
41250 FIND 8U210
41250 FIND 8U2113
41270 HARR FU211,2500
41200 FIND 8U210
41300 FIND 8U2113 Strad FIM X2(P(B)),Y2(P(B)) 61410 REM ordate riotfiles 61450 IF ACC THER 61480 61407 pIN X2(52) 172(32) 61390 FRIMI BU21X2,Y2 61400 FRIMI BU2,23 61405 BELETE X2,Y2 10A.CA.UA 61420 F4**PLUTFILES* 61430 G05UB 60000 61440 INFUT 9U2:6:A: GIAGO INFUL PULLTA #11:0na @UZ:H\$ 41370 PRINT PUBLE 51470 GG 10 41440 STAPG FEIGT BUZERS 41319 IHAGE 61340 FEINE CISTO INTRI 51350 PRINT 61230 FRINT 61530 FRINT 111111 +++1+++

411100 KE 1UM

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166 FATA 2.201.2.179.2.14.2.145.2.131.2.12.2.11.2.11.2.101.2.093.2.086.2.00
179 FATA 2.074.2.049.2.064.2.06.2.056.2.052.2.049.2.046.2.043.2.04
180 FATA 2.037.2.035.2.033.2.03.2.038.2.028.2.027.2.025.2.023.2.022
                                                                                                                                                                                  DIM MICCO). TI(20). T(24). TS(40). XS(30). YS(30). P(34). LS(40). A3(3)
                                                  DATA 12.706.4.303.3.182.2.776.2.579.2
                                                                                                                                                                                                                        270 KEHR
240 KEHR GET LISP OF FILES TO BE PLOTTED
290 KEHR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SELMS SET DEFAULT PLOT PARAMETER REMS
                                                                                                                                                                                                                                                                                                                                             IF I T AND A T THEN 2060
                                                                                                                                                                                                                                                                                                                                                                                                                            KENE STAKT PLOT LOOP
KENE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             H F(B)-0 THER 2040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mr. X(F(atter) (P(B))
                                                                                                                                                                                                                                                                                                                                                                                     IF 11(2)+2 THEN 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 THEN 530
                                                                                                                                                                                                                                                                                                                                                                           100 UT 802, 6:11(2)
                                                                                                                                                          TH A-1 THEN 2050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FAR 19-1 10 11(1)
                                                                                                                                                                      DIFUT PUZ:US.DS
                                                                                                                                                                                                                                                                                                                                                              (N'UT PUZ:NICE)
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                       BIM D&(8) +U$(8)
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           KEAD UI.U2.U3
                                                                                                                                                                                                                                                                                                                                 INFUL BUZ.6:A
DATA 33,11,32
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236 FINB 002:0
210 FINB 002:2
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                                      (IN 17(40)
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T(15)-LENGTH OF Y AXIB
T(S)-LENGTH OF X AXIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESIDESFLAY INFO ON RIGHT BIDE OF PLOT
KEN T(4)-HIN X VALUE OF GRAPH
                                                                                                                                                                                                                                                                                                                                                                                                                                                       70+f(15)/2+f(14)+tEH(Y++#10/7
                                                                                                                                                                                                                                                       X0=1(5)/2+1(4)-LEN(L4)17/8
                                                                                                                                                                                                                                                                                                                                                      X0-1(5)/2+1(4)-LEN(X1)#7/8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEINT GUST-AGENT: " IAS
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          KER TOTAL-RIN Y UNLUE
                                                                                                                                                                                                                                                                                                                             KEH DUNP X AXIS TITLE
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                                    UIEUFURI 0:130:0:100
WINEUW 0:130:0:100
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ZE-SEG(YS,Z, D)
FAINE RUSSZE
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                                                                                                                                                                                                                     KEH LAREL FLOT
KEH TITLE GKAPH
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                                                                                                                                                                                                                                                                                           MOVE BUSIXO, YO
                                                                                                                                                                                                                                                                                                                                                                   Y9-I(14)-10
HUVE PUS:X0-Y0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MANC BUSTANTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X0=1(4)+1(5)+5
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                                                                                                                                                                                                                                                                                                       FRINT PUSILS
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                                                                         (1)-P(I)
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IF FC203-0 THEN 1210
FRINT BUST USING 1120:*/*1P(20)1**1
                                            Y0=Y0=3
MUVE GU3:X0+I9,Y0
FRINT GU3: USING 1120:**#P(14)!**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRINT 803: USING 1280: am .,P(4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18181 641: "2143 1280: ba .,P(5)
                                                                                                                                                              HOVE EU3:XOI19,YO
FRINT EU3: USING 12201**1P(23)
INGGE FA,3E
                                                                                                                                                                                                                                                                PRINT 4U3: USING 1280:: 1P(27)
                                                                                                                                                                                                                                                                                                                                                 INGUE FAISUIDIFAISDISDIFAIS
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                                                                                                                                                                                                                                                                                                                                                                          GO TO P(3) OF 1480,1450,1510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        no transform
                                                                                                                                                                                                                                                                                                                                                                                                 Y=1r(Y)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           X=1n(X)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               eus: Yeath In(X).
                                   PRINC QU31 - BARTLETISI .
                                                                                                                                                                                                                                                                                                                                                                                                                      PUS: 'In(Y) watbx'
                                                                                                                                                                                                                                                                                                  FRINI PUST FARAMETERS.
                                                                                                                                           RINI GUST'R"SQUAREDI"
                                                                                                                                                                                                                                                                                                                          FRIMI COST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PC23 - 0 THEN 1730
INAGE FA.20.30.FA.S
                                                                                                                                                                                                                                                                                                              eu3:x0,Y0-0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FRINT QUS: Y # 3 + bx .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MODE BUSTANTED YO
                                                                                                                  IMAGE FA,20.3D
                                                                                                                                                                                                                                                    MOVE BUSIXONTP, YO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MUVE EU3:X0+19,Y0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HOVE PUBLIXOAT9, YO
                                                                                                                                                                                                                            FKINI BUS: MSE: *
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01.0X15UH
                     MOVE RU3:X0,Y0
                                                                                                                                                                                                                 NOVE GUSTXO, YO
                                                                                                                                                                                                                                                                                        HOVE BUSIXO, YO
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2050 EHINT 'THERE AVE NO PLOT FILES CURRENTLY QUEUED TO BE PRINTED".
                                                                                                                                                                                                                                                                                                                                                                                                 . TO YOU WANT A PLOTTER PLOT OF THIS PLOTT (Y/N).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2020 FURB A
2030 ULD
2040 FRINT "MO DATA SETS FOUND ON THIS TAPE "
                                                                                                                                                                                                               ** FINE PUBL USING 12801** # * P(31)
                                                                                                                                                                                                                                                     KINT BUSI USING 1280:"# # ..P(29)
                                                                                                                                                                                                                                                                                              KINT PUS: USING 1280: " + P(32)
                                                                                  FKIRE PUS: USING 1280: 8 # ** P(30)
                                        12801.4 - - P. 13801.18 USING 12801.4
FRINT 2031 USING 12801'C" .. P(4)
                                                                                                                                                                                                                                                                                                            MOVE EUJ:1(4)+T(5),1(14)
DRAW EUJ:T(A)+T(5),T(14)+T(15)
DRAW EUJ:1(4),T(14)+T(15)
                                                                                                                              FINE BUSINY # (*) + P. TA
                                                                                                                                                                    FRINT BUS: X' # X + h'
                                                                                                                                                                                                                                                                                                                                                                                                                              F B4<>-Y* THEN 1980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2090 REMA FLOT SUBROUTINES
2100 REMA
                             HOVE GUS:X0+T9.YO
                                                                                                                                                                                                                                       HOVE BUS: X0119.YO
                                                                                                                                                                                                                                                                                  MODE PUB:X0119.Y0
                                                                                                                                                                                              HUVE BUS:XOTT9,YO
                                                                                                                                                                                                                                                                                                                                                                      F U3=1 THEN 1980
                                                                      MOVE BUSSXC+19.YO
                                                                                                               HOVE GUSTXO, YO
                                                                                                                                                       MUVE PUB: XO, YO
                                                                                                                                                                                                                                                                                                                                                        0001 40500
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2139 (605)R 3160
2140 (935)A
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2160 UB-4
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                10-Y0-3
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21/0 YO4Y0-5 2100 HOVE 9U31X0,Y0

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450 PKINT PU3:21:0 MAX K3-(LEN(U$)+1)*1.78#0.5.T(14)-4
450 PKINT EU3:U$}
                                                                                                                                                                                                                 U$#SIR(T(16)+(J-1)#T(18))
FKINT EU3:21:0 MAX T(4)-(LEN(U$)+1)#1.78.R3-Q.89
FKINT EU3:U$;
                                                                                                              220 FRINT BU33-Y axis: 10-192
220 VIEWFORT T(4),T(4)+I(5),T(14),T(14)+T(15)
290 UINEUW T(6),T(6)+I(7),T(16),T(16)+T(17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GO TO T(3) OF 2910,2640,2700,2770,2840
PRINT BUSI-SCALE FACTORSI-
                                                                       FRINT RUS: X AXXS: 10" 1X2
                                                                                                                                                                                                                                                                                                                                                                 1440 U$=SIR(T(6)+(J-1)#1(B))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S2=T(14+3)/T(14+1)#0.75
                                                                                                                                                                                   R2=1(10)/(T(17)/T(15))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T(2) O1 Ft. F 2540
J21 THEN 2560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S1=T(4+3)/T(4+1)*0.75
                                                                                                                                                                                                                                                            IF J>f(19) THEN 2410
                                                                                                                                                         AXIS @U31T(8), T(18)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOVE RUSIX(J),Y(J)
                                                                                                                                                                                                                                                                                                                      R2=T(0)/(T(7)/T(5))
                                                                                                                                                                                                                                                                                                                                                                                                            IF JOT (9) THEN 2510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GO TO 2570
DRAW EU3:X(J),Y(J)
               FRINT PUBLY TO-0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1650 KFRAW PU31511-2#52
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2/10 KBKAW 86312#51.0
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                                                                                               HOVE PUSTXO.YO
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                                                        MOVE PUB: XO, YG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0092 BUSDB
                                                                                                                                                                                                                                                                                                       GO TU 2340
                                                                                                                                                                                                                                                                                                                                                                                                                                                       60 10 2440
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                                                                                                                                                                                                      K2-1(14)
                                                                                                                                                                                                                                                                           K3-K2+K2
                                                                                                                                                                                                                                                                                                                                                                                                                           480 K3=K34K2
                                           Y0=Y0-4
                                                                                       Y0=Y0-3
                                                                                                                                                                                                                                                                                                                                    K3=T(4)
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```
50(4)=INI(INI(ABS(50(5)))#5GN(50(5))/80(3))
IF 50(5)=>1 INEN 3460
                                                     50(1)=50(3)*(INT(ABS(50(5)))*BGN(50(5)))
50(5)=(T(U9+3)+T(U9+2))/50(3)
IF 50(5)<0 THEN 3400
                                                                                                  SO(2)=SO(3)*(INT(ABS(SO(S)))#SGN(SO(S)))
SO(5)=SO(2)-SO(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FRINT "ERROR *** FILE"; FS: NOT FOUND.
                                                                                                                                                                                                                                                                                                    Y0=(F(1)+P(2)*X4)^(1/P(29))-P(31)
IF P(3)<>1 THEN 3610
                                                                                                                                                                                                                                             I (U9+6)-1.75*I (U9+3)/I (U9+1)
          50(3)=50(4)
50(5)=T(U9+2)/50(3)
IF 50(5)=>0 THEN 3360
                                                                                                                                                                                                                                                                                                                                                                                                                                               34-3EG(84-1-3)
IF JEC-116- THEN 3970
3310 IF 80(5) =>2 THEN 3330
                                                                                                                                                                  IF 50(3)=>1 THEN 3490
                                                                                                                                                                                                                                                                              IF P(3) ⇔2 THEN 3580
                                                                                                                                                                                                            T(U913)=50(2)-50(1)
                                           50(5)=50(5)-0,9999
                                                                                     80(5)=80(5)10,9999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IF JEFF THEN 3820
60 TO 3690
                                                                                                                                                                                                                                                                                                                                                                                 FIND/OFEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IF A=1 THEN 3780
                                                                                                                                                                                                                        T(U914)=50(3)
T(U915)=50(4),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14=SEG(84,4,10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          J4::SEG (B411,3)
N9=VAL (J4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFUT GUZ, 6:A
                                                                                                                                                                                                    T(U9+2)=50(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INPUT @U2:Es
                                                                                                                                                                                                                                                                                                                                                                                                                           FIND BU2:1
INPUT BU2:84
                                                                                                                                                                                                                                                                                                                                                                                            REM4 (F$,119)
                                                                                                                                            SO(3)=SO(5)
                                                                                                                                                                            50(3)=50(5)
                                                                                                                                                                                                                                                                    X4=X0+F(32)
                                                                                                                                                                                                                                                                                           X4=L0G(X4)
                                                                                                                                                                                                                                                                                                                                                                                                                 FIND CU2:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DIM 34(10)
                                                                                                                                                                                                                                                                                                                            Y0=L06(Y0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FIND GU2:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             F-L.F.N(F4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (J) #F W14
                                                                                                                                                        50(4)=1
                                                                                                                                                                                         50(4)=1
                                                                                                                                                                                                                                                         RETUKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLOSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3739 REH$
                                                                                                                                                                                                                                                                                                                                                                                 FER
                                          3320
                                                      3360
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+++1++
                    1++2++
                                                                                                 +++1++
                                                    +++1++
                                                                                                                                                                 +++1+++
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1++1++
```

3920 FRINT "HATA TAPE IN EXTERNAL TAPE UNIT 18"NOT A 108 DATA TAPE 3980 FRINT 002,2; DRAW QUATUPPER AND LOWER CONFIDENCE LIMITS 3930 FRINT "FILE DOES NOT MATCH INTERNAL NAME" 3540 FRINT "INDEX NAME "";F\$; INTERNAL NAME "";J\$ 3950 FKINT 002,2; 4000 REHS FLOT DATA, CURVE AND CONFIDENCE LIMITS FUR Y5-F(16) TO T(16)+T(17) STEP T(17)/100 MOVE RU3:X0410~-X2,T(16)#10~-Y2 MOVE PUBILO#10~-X2,T(16)#10~-Y2 FIENW EU3:X0*10~-X2,Y5*10~-Y2 T(16)=T(16)+0.01*T(17) 4116 T(15)=T(16) MAX 0.01#T(17) 4130 REM# FLOT OBSERVED DATA 4060 T(6)=T(6)-0.1%T(7) 4070 T(6)=T(6) MAX 0.01%T(7) 40U0 T(7)=T(7)%1.2 4100 T(14)=T(14)-0.05*f(17) 1090 REM# ABJUST Y-RANGE 3910 IF J&(F) 3910 IF J&C F* THEN 3930 3920 RETURN 4050 REM* ADJUST X RANGE 4126 T(17)=T(17)*1.1 3880 J\$=SEG(89,1,10) 3860 INPUT PU2:F1 G05UR 4820 3850 FIND 6U2:N9 4010 GOSUB 2940 4020 GOSUB 3050 G05UB 4820 G05118 4820 3870 bin J\$(10) 4140 GUSUR 2110 COSUB 4950 3870 · F = L ER(F 4) (71)J=OA 4190 YO=T(16) Y9: T(14) D7=10"Y2 DE=10000 [1]=L(16) NEXT YS Y0=Y5 REM® 4150 REMK T.E.M. 1 2 3 E E 3290 END 4170 4180 0000 017 30 01:3 0837 60% 9 0948 8 +++1+++ +++1++

FOR Y5=(T(16)-T(17))*D7 TO (T(16)+T(17))*D7 BTEP T(17)/100*D7 IF F(3)=2 AND Y5<=-P(31) THEN 4470 FOR YS=T(16)*D7 TO (T(16)+T(17))*D7 STEP T(17)/100*D7 IF F(3)::2 AND YS<=-P(31) THEN 4620 4725 REMIR Xt="WARNING - Detection Limit EGRGRGOGR" MOVE 0U3:U0#10~-X2,T(16)#10~-Y2 IF DB<>10000 THEN 4730 DRAW @U3:LO#10~-X2,Y5#10^-Y2 DEAW @U3:U0*10"-X2,Y5*10"-Y2 X***Celibration Curve # *17\$ X0=1(5)/2+T(4)-LEN(X\$)*7/8 X0-T(S)/24T(4)-LEN(X\$)&7/8 IF X(TS)<*0 THEN 4670 T4=T4 HIN X(TS)*10^X2 VICWFORT 0,130,0,100 WINDOW 0,130,0,100 F LOSO THEN 4470 DH>T4 THEN 4700 Y\$=SEG(Y\$,1,Y0+2) HOVE BUSIXO, YO MOVE PUB:X0,Y0 4640 FOR TS=1 TO N FEINT GU3:X\$ FRINC SUSIXS Y0=1(14)-14 G0SUB 4820 605UF 4950 GUSUB 4820 G0SUB 4950 60 TO 4770 Y*=STR(D0) Ye-STR(00) GOSUB 4820 G050E 4950 NEXT YS Y0=T(16) ****X~*X 74=10000 YO:: 1(15) NEXT YS NEXT 15 Y0=Y0-3 00±60 * *=4X CCC+ £ \±0. 70=Y5 .0≃Υ5 4720 REM11 4723 REM11 17.10 4728 4800 4650 1700 4700 4801 4610 9620 6115 1740 4790 4802 4003 4590 730 4895 1850 4400 +++1++ +++1++ ++>1+++ +++1++

- 4820 KEM\$

```
1120 A3=T3*P(11) P2-T3*P(10) *A2+P(2) P2*A2+P(10) *B2-2-2*P(2)*P(11)*B2
                                                                                                                                                                                                                                                                    SOLUE LINEAR REGRESSION IN REVERSE FOR
SOLVE LINEAR REGRESSION IN REVERSE FOR XO
                                                                                                                                                                                                                                                                                                                                      the lower curve if slope is positive
                                                                                                                                                                                                                                                                                                                                                      slore is rositive
                                                                                                                                                                                                                                                                                                                                                                   LO is the upper curve if slope is negative.
                                                                                                                                                                                                                                                                                      UFFER AND LOWER CONFIDENCE LIMITS (Y0,X0;L0,U0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3124 FRINT 903: Imaginary Roots. Execution halted*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Inverse Functional transform
                                                                                                                                                                                                                                                                                                                       U=,975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5150 REM Inverse Functional Transform
                                                                                                                                                                                                                                                                                                                                                      the urrer curve.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5090 H1=P(2)*(Y0-P(1))-P(11)*T3
                                                                                                                                                                                                                                                                                                                       L=.025
                                  4850 KEN# TRANSFORM YO
4840 KEN# YO=(YO+P(31))~P(29)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5030 KEM* YO=(Y04P(31))7P(29)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5040 REM Functional Transform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             42=(X04F(30)) TP(7) +F(12)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R3=T7(N-2)*SOR(A3*P(6))
                                                                              IF P(3) <>2 THEN 4890
                                                                                                                             IF P(3)<>1 THEN 4920 X0±EXP(X0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                               REM& Fower Transform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IF P(3) 02 THEN 5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1F A3=>0 THEN 5130, MOVE @U3:10:10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5160 IF P(3)<>1 THEN 5180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5070 T3=T7(N-2)^2*F(6)
5080 A1=P(2)^2-P(10)*T3
                                                                                             YO=LOG(-YO1P(31))
                                                                                                              X0=(Y0-F(1))/F(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Y0=L0G(-Y0+F(31))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5170 X0=(B1-E3)/61
                  5140 X0=(B1+B3)/A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5180 U0=X0-F(32)
                                                                                                                                                             X0=X0-F(32)
                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5170 X0=EXF(X0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1/2=Y0-F(1)
                                                                                                                                                                                                                                                                                                                                                     2
                                                                                                                                                                             4930 RETURN
                                                                                                                                                                                                                                                                                      4970 REM4
4980 REM#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SCOO NEWS
                 4340 REM#
                                                                                                                                                                                                        4940 REHI
                                                                                                                                                                                                                                                     4950 REM$
                                                                                                                                                                                                                                                                                                                                                                                                                  5000 13=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STOP
                                                                                                                                                                                                                                                                        FERM
                                                                                                                                                                                                                                                                                                                     1990 KEN*
                                                                                                                                                                                                                                                                                                                                                                   4993 REM
4994 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                   5010 00=0
                                                                                                                                                                                                                                                                                                                                      KE:Y
                                                                                                                                                                                                                                                                                                                                                   REM
                                                                              4870
4890
                                                                                                              0631
                                                                                                                                            4910
                                                                                                                                                                                                                                                                     0261
                                                                                                                              4900
                                                                                                                                                                                                                                                                                                                                     1991
                                                                                                                                                                                                                                                                                                                                                     4992
                                                                                                                                                                                                                                                                                                                                                                                                                                                               5020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0905
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5126
                                                                                                              +++1+++
                                                                                                                                                          +++1++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           +++1+++
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       111111
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5210 IF P(3)<>1 THEN 5230

5220 X0=EXP(X0) 5230 L0=X0-P(32)

+++1++

4830 REMX

\$280 KETUKN \$220 KEM SCB1@ X B Y for pl +++1+++ 5300 FOK J=1 TO T(1) \$310 Y(J)=104Y(J) \$320 NEXT J \$330 Y2=Y2=1 \$340 KI J \$350 K(J)=104X(J) \$350 K(J)=104X(J) \$370 NEXT J \$380 X2=X2=1 \$380 X2=X2=1 \$380 KI J SO60

DAIA 0.0.0.0.0.0.0.0.03.0.118.0.185.0.239.0.284.0.321.0.354.0.382.0.406. DATA 3.76:2.374:1.88:1.596:1.41:1.277:1.175:1.094:1.028:0.973:0.923 0.647,0.632,0.619,0.588,0.577,0.567,0.557,0.548,0.539,0.5303 0,3,267,2,568,2,266,2,089,1,97,1,882,1,815,1,761,1,714,1,679 1,646,1,618,1,594,1,572,1,552,1,534,1,518,1,503,1,49,1,477 1,466,1,455,1,445,1,435,1,446,1,408,1,401,1,394,1,387,1,381 UNTA 0.0841.0.84810.81610.78810.76210.73810.71710.69710.67910.662 DATA 0.428,0.448,0.466,0.482,0.497,0.51,0.523,0.534,0.545,0.555 DATA 0.565,0.584,0.592,0.599,0.406,0.413,0.419 DIM NICOD, TI(20), T(24), T\$(40), X\$(30), Y\$(30), P(34), L\$(60), A\$(3) HIN UB(2), W9(2), G\$(130) DIM U4(8),A1(31),B3(31),B4(31),D4(8),N4(2),M8(31),M9(31) DIM L8(31),L9(31),U8(31),U9(31),S6(31),S7(31),Y8(31),Y9(31) FEAD U1,U2,U3 DIM Y1(31),Y2(31),Y3(31),X(31),Y(31),X9(31) KEN* GET LIST OF FILES TO BE PLOTTED ACC AND K2=0 THEN 10000 P (>2 THEN 10200 IF A=1 THEN 10100 C4=C48*SEPTEMBER 95 KENS OC ANALYSIS C1=C18.NOVENCER C. 4 = C. 4 & " NECEMBER 9U2:U\$1.Fr C*=C**FERRUARY FRINT @32,26:0 C\$=C\$\$.OCTORER 2KINT 003,17:4 DATA 33,11,32 KNFUT QU2,6:A C*=C*X*AUGUST INFUT BUT. 6:0 C*=C*3*FINGCH CINTRACTOR F1: * P1.03 S0C . SET DEGREES C1=C15. UUNE CAL JANUARY C\$=C\$\$. JULY INF 9U2:0 GOSUE 4045 C:=C+3.NGY 146Mm6M 0E3 IIA f.A DATA READ READ DATA READ 210 REM# 211 REM# 212 REM# EIA I A OBCA No=0 220 3 000 049 0 3 8 8 8 8 Sec +147+5+ +++1++

INFUT GUZ: D&

204

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"HO OC FLOT WILL BE PRODUCED FOR "HAD!" AT LEVEL "SINCE FOUR UC DATA POINTS ARE NOT YET AVAILABLE
                                                                                                          FRINI "IS THIS THE FIRST STAT RUN FOR TODAYT (YZN)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFUT PUSINI, D7, X9, Y9, M9, U9, L9, Y8, M8, U8, L8
INFUT PUSIW8, W9, F1, F2, F3, F4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REN# N9(fib)=(N9(fi2)*(K-1)+F(25))/K
RFN# N8(fig)=(N3(fi2)*(K-1)+F(26))/K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            U9 (F0) =MY (B0) +3.750E (K1) *MB (BB) E.9 (B0) = MY (B0) = 3.750E (K1) *MB (B0) US (DU) * (1+3.750F (BK1)) *MB (B3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            550 LC(DB)+(1-37SQR(24K1))*MG(DB)
               INFUT @UD:C.P(25),P(26),P(28)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              YG(EB)=P(26)+F5*YB(EB) *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              J9-62 (18) +41 (KL) *NB (18)
.2-62 (18) -41 (KL) *NB (18)
JG .EA (LL) *AB (18)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Y9(EQ)=F(25)+F5*Y9(EQ)
                                                                                          IF P(20)=4 THFN 330
                                                                                                                                         IF 65='Y' THEN 330
FS=1
                                                                                                                                                                                                                                                                                                                                                                   370 REM4 GET HISTORY Q
                                         IF N9=K2 THEN 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KEAD FILESFILE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF KISA THEN 551
                                                                                                                                                                                      330 REM# SET X LABEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LB-EG(N1) #MG(FB)
                                                                                                                                                                                                                                                     355 REM# SET X LABEL
                                                                                                                                                                                                                    350 N$=SEB(D$,4,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N.1=P(28) FF5*K1
                                                                                                                                                                                                                                                                                                                    A=(A-1)#9+1
X*=SEG(C$,A,9)
                                                                                                                                                                                                                                                                                      A4=SEG(D4,1,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FOR 1-1 10 31
288 INPUT 9U2:UN
                                                                                                                                                                                                                                                                                                                                                                                                                                                      [HIR 0,0,0,0
                                                                                                                                                                                                                                                                                                                                                                                                    RESTORE 381
                                                                                                                                                                                                                                                                                                                                                                                                                     F.S .. . 110 . 2M4
                                                                                                                                                                                                                                                                                                                                                                                                                                     GOSUB 4645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DESTORE (N4)
                                                               GO TO 270
                                                                                                                                                                                                                                                                                                       A "VAL (A*)
                                                                                                                            INFUL AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X9(I)::I
                              THENHEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     I JX34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRINI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRINI
                                                                              55:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   F1:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   F3:0
                                               310
                                                                                                                            33.4
                                                                                                                                                                                                                                                                                       092
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                                                                                                                                                                                                                                                                                                       36.1
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                                                                                                                                                                                       +++5+++
                                                                           +++1++
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(F NOT(Y9(BB)>U9(FB) OR Y9(BB) < L9(BB)) THEN 554. IF ROT(YB(DB)>UB(DB) OR YB(DB)<18(DB)) THEN 554 930 IF HUTTELED OR F243) THEN 950 930 BE-TWARFING - PROCESS IS OUT OF COHTROL 790 Eta ACCURACY CONTROL CHART FOR . SHS 556 REMS ZERO OUT DATA FROM DZ TO DB IF Y9 (118) 2 H9 (118) THEN 690 (F YU(E8)>HB(E8) THEN 730 622 F4-0 625 F0R I=6 TO 1 STEP -1 620 KEAR UPDATE WARNING 750 KCH# FLOT OC CHARTS IF D7=58 THEN 573 I-67 (F 118-117 THEN 562 IF 1-DB THEN 573 (1)6n=(1+1)6n 740 FUR I*1 10 7 F2: F2+49(1) F4-F4+U3(1) F2-415(F2) 772 F4-685(F4) 572 60 10 562 50 TO 700 CO 10 740 Y9(1)=-1 YU(1)=-1 1-: (1):37 H9(1)=-1 14(1)63 1-(1)03 1 1X3H 0/2 1+1-1 71:19 60.51 Y 5 = 0 . 2 9 17 57.5 KEM1 400 1,53 177 557 558 670 30 C18 261 016 0.5 3 +++1++ +++2++ +++11+++ 1 + + 1 1 + + + +++1+++ +++2+++

551 REM& SET WARNING FLAGS

+++3+++

THE 950 REMS COSUB FLOT

1200 FKINT CUTINITORIX9, Y9, H9, U9, L9, Y8, M8, U8, L8 1210 FKINT CUZIUS, U9, FI, FZ, F3, F4 1215 FKINT CUZIUZ, 21 1030 IF NDTIF3+1) THEN 1050 1040 Ws="GARNING - FROCESS IS DUT OF CONTROL . IN YOU DAM! A 4662 PLOTY (Y/N) IF U3-10 THEN 967 FRINT "DO YOU WANT A 4662 PLOTT (Y/N)" 947 U3-32 970 Es-"FRECISION CONTROL CHART FOR 943 US=" . 1775 BIM 44(40),J4(40) 1785 BIM X9(31), (9(31),Y3(31),I(24) 1970 REMA UPHATE HISTORY OF FILE POSS REM HETGHT OF CHARACTER 1740 FEDT OC TEDE KOUTINES 2033 REMEDIFICHT OF SPECE THE AS CONTY THEN 1047 AS-SEGGES-1-13 1F AS 2-Y* THEN 967 1000 REMA GOSUB PLGT 1055 FEINT *76J* 1055 IF U3+10 TH 1039 F1: 110 154 G0500 1775 2221 MUNON 8351 State distribution 955 00508 1775 INCUT HS 2045 80-7,82 2015 HI-11.53 INFUT HE F KIRI 113-10 1060 YI=19 ¥3-:18 Bowl One? 1755 PERE 965 U3=10 990 Y- YB 1055 1007 1001 1052 106.5 1064 1066 1070 ++11++ +++1++4 +++5+++ +++2+++

POSS REM UTTIN NE SEAFF

PUSIF(4)+F(14)+F(15) PUSIF(4)+F(5)+F(14)+F(15) PUSIF(4)+F(5)+F(14) 2325 FOR I=0 TO 34 STEP 2 2335 MOVE PU31T(4)+1#3,F(14)+H4/2 2315 KEH MANE TIC HARRS OR X AXIS IF 1-0 OK 1:31 THEN 2405 2095 REM WIDTH OF CHARACTER 2115 KEN HEIGHT OF TIC HARN 2135 REH MIDTH OF TIC HARK 2155 VIEWFORT 0:130:0:100 likau (002:1(4),1(14) KEH LABEL THE HARK 903:T(4),1(14) 2165 WINDOW 0+130+0+100 RMOVE 2U3:-112,-110 IF 1110 THEN 2395 KUKAW PU3:0,-144 2255 KEH BOX GRAPH 2195 REH X DUMAIN 2235 REH Y RANGE 2175 FER X HIN 2215 KEN Y MIN 2205 1(5)=105 2225 7(14)+10 2245 T(15)=75 2085 H2×1.79 2105 H3-1.55 2165 [(4)*15 2125 H4=1 2145 115-2 Their HOVE Mer Jan FERM 2265 2395 300 23.02 CHE 2345 2365

THE RESERVE THE PARTY OF THE PA

THE KEN FRINE OUT WARNING 1 1004 5960 +++1+++

INTRI PUSTI

393

1.400E

2420 A-LER(W1)

2745 KEH END OF PRELIMINARIES NOW DO PLOTS 2465 KEH DKAW BU3:BOX AROUND WARNING Y0≈T(14)+(T(15)+LEN(Y*)#H0)/2 HOVE @U3:Y0,Y0 2423 IF A:2 THEN 2533 2425 XO=T(4)+(T(5)-LEN(US)NH2)/2 2435 YOE96 2445 HOUE @U3;XO,YO 2475 HGVE BU31X0-H2/2,Y0-H0/3 2485 KERRAW BU310,54H0/3 2495 KERRAW PU31(LEM(W1)+1)4H2,0 2565 KERRAW PU310,-54H9/3 2515 KERRAW PU31-(LEM(W1)+1)4H2,0 2545 X0+T(4)+(T(5)-LEN(E4)#H2)/2 2635 X0=T(4)+(T(5)-LEM(X\$)*H2)/2 2645 HOVE @U3:X0,Y0 2655 FRINT @U3:X4; 2585 X0-f(4)+(T(5)-LEN(J\$)#H2)/2 25%5 HOVE @U31X0,Y0 FOR I=1 TO LENCYS) STEP 1 2615 KEM FRINT X AXIS LABEL FOR 1-1 TO 31 IF YCD = 0 THEN 2761 IF Y1(1)<0 THEN 2763 FRINT BUS:ZS: "JU" KEH SET UP STUFF 2465 REH Y AXIS LABEL Z4*5EG(Y4,1,1) 2525 REH URITE TITLE YA-Y4 MIR Y(1) HOVE PUSIXO, YO FRINE BUSIES! 2455 PRINT BUSINSS 2625 YO=T(14)-34HO 2605 FRINT BUSIJAS I=(Y5-Y4)/2 60 10 2780 152-19C009 Y4=166690 70-Y0-3 . 2746 Y4=Y1(1) Y5=Y3(1) 2535 YO-YO-5 00-Y4-1 U1=Y5+1 2875 2755 200 2002 27.48 2750 2751 .755 2440 2705 27.47 2760 2751 90. +++1+1+++ +++1++

Y4=Y4 HIN Y1(I)

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2770 KEM IN HERE GOES CODE TO PICK NEAT ENDPOINTS FOR Y-AXIS
                                                                                                                                                                                                                2780 VIEWFORT T(4), T(4) HT(5), T(14), T(14) HT(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                            FKINT GUS164;* # *1Y(B);
UICHFORT T(A),T(A)+T(S),T(14),T(14)
VIEWFORT T(4), T(4) +T(5), O, T(15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KDRAW GUSTO, YICH (1+1) - YICD)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EDENOU GUSTO+YBCI+1)-Y3(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOVE 2013:X(1+1),73(1+1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOVE GUSTX (1+1)+Y(1+1)
                                                                                                                                                                                                                                                FOR I=1 TO B STEP 1
IF Y(1)<0 THEN 2845,
IF Y(1); OL THEN 9400
IF Y(1)<00 THEN 9500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2985 FOR 1=1 TO D-1 STEP 1
2980 IF Y(1)<0 THEN 3015
2995 DKAM HUSIX(1)+Y3(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IF Y1CD & THEN 2900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            375 FOR 1=1 TO B-1 STFP 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FROM PUSIXED FYICE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COST DAMA BUSIX (D) Y3 (D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1045 FUR 1:1 TO 4 STEP 1
1045 RMDVE 20310.5:0
1055 KDKAM 20310.5:0
                                                                                                                                                                                                                                                                                                                      HOVE WUSIX(I) .Y(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1915 UKAU RU3:X(D),Y1(D)
                                                                                                                                                                                                                                  WINDOW 0,35,00,01
                                                                                                                                                                                                                                                                                                                                                                                         WINDOW 0:35:00:01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WINDOW 0.35,00,01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MAN 803:35, Y1(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HUVE 8U3:35, Y3(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DESM 003:35.Y2(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KnUVE 003:0.5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2975 NOVE PU3:0, Y3(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HUVE PUS:0-Y1(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         345 HOVE 603:0, Y1(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REEGAU PU3:0.5.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DEAU PUS: 0+Y3(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HUVE 8U3:0, Y2(1)
                                                                                                                               YSAYS ANX Y3(1)
                                                                                                           YSEYS HAK Y(I)
                                                                                                                                                                                                                                                                                                                                                                                                                              61 -SEG(E 113)
                                                                                                                                                                                                                                                                                                                                                                                                          HOVE 4U3:0,00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 01 1=1 BC 4 5C6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GO 10 3020
                                                                                                                                                                                                                                                                                                                                       60SUR 3185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               605UR 9000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KEYOKA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 1X3N 50%
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2955 NEXT 1
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                                                                                                                                                2765 NEXT I
                                                                                                                                                                                                                                                                                                                                                        NEXT
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                                                                                                                               2764
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                                                                                                           +++1++
                                                                                                                                                                                                                 +++111++
                                                                                                                                                                                                                                                                                                                                                        +++2++
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5175 FRINT "DATA TAFE IN EXTERNAL TAPE UNIT IS NOT A IDS DATA TAPE"
                                                                               5135 FRINT 'FILE DOES NOT MATCH INTERNAL NAME" 5145 FRINT 'INDEX NAME = 'FF$!'INTERNAL NAME = '19
                                                                                                                                                                                                                                                                                                                                                                                                            REM*HO - FRINTED LINE HEIGHT
BEMHII - FRINIED CHARACTER HEIGHT
REMHIZ - UIDTH OF SPACE
REMHIS - UIDTH OF A CHARACTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FUR 1=270 TO 360 STEP 50/2#3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7050 HOUE BU3:X0+H2*1.1,Y0+0.1*H0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FOR I=0 TO 180 STEP S0#3/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NOVE PU3:X0+H0/20,Y0+H2/20
                                                                                                                                                                                                                                                   5405 REH# FLOT DESERVED DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2050 REKAN RU3:H3/S0,H1*5/S0
6960 FUK I≈1 TO S0/2
                                                                                                                                                                                                                                                                                                                                                                 VIEWPORT 0:130:0:100
                                                   IF J4C>F$ THEN 5135 KETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RDKAW @U3:0,-H1/S0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REERGH PUBI-H1/50,0
                                                                                                                                                                                                                                                                                                                                                                              6740 WINDOW 0:130:0:100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KOKAW @U3:H1/50.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RTHRAW @U3:0,111/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KDRAW @UZIH1/80.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RBKGW @U3:H1/50,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5890 FOR I=1 TO SO/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FOR 1-1 TO SO/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FOR I=1 TO 50/2
5085 J$=SEG(B4,1,10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FOTATE 1+270
                                                                                                                  SISS PKINT QUE, 21.
                                                                                                                                                                                 5105 FRINT 602,21
                                                                                                                                                                                                                                                                                                                                                6720 SET DEGREES
6730 VIEWPORT 0.1
                                                                                                                                                                                                                                                                                                               6715-REHNERAW HU
                                                                                                                                                                                                                                                                               5415 60SUB 3395
                   5075 FELEN(F4)
                                      SIOS DIM JAKE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RUTALE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HO=2.82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8810 H1 ±1, C8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6820 H2-1,79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6830 M3-1.55
                                                                                                                                                                                                                                                                                                                                                                                                               6750 KEM*HO
                                                                                                                                    FIND 1
                                                                                                                                                                                                   FIND 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HEXT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEXT I
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                                                                                   +++1+++
                                                                                                                                                                  +++1++
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9400 EEM ROUTINE TO DRAW ARRKOW POINTING UP 9500 REM ROUTINE TO DRAW UPSIDE DOWN ARROW 6030 KEM*HO - FOLNTED LINE HEIGHT 0040 KEM*HI - FRINTED CHARACTER HEIGHT 8050 KEM*HI2 - WIUTH OF SPACE 8060 KEM*H3 - WIUTH OF A CHARACTER 8999 REH ROUTINE TO LABEL Y AXIS MOVE PU31X0-H1/2,YO FOR I*-95 TO 265 SIEP 15 ROTATE I RIKAW @U31H3/50#1.3,0 REFER 213:0,-10#H3/SO RHOUE 213:H3.0 8000 SET DEGREES 8010 VIEWFURT 0,130,0,100 8020 WINIGW 0,130,0,100 FOR I=1 10 G0+1 1510 MOVE PU31X(I),00 9520 L#=CHR(127) 9530 PRINF RU31L#; 9410 MOVE @U3:XKD.401 9420 PRINT @U3:*J^*; 9430 GD 1D 2845 230 MOVE @U3:0.Y3(1) 240 FOR I=1 TO 00+1 MOVE 6U3:0, Y2(1) FRINT PUS: "H"; FUR IZI TO 00+1 L\$::STR(Y1(1)) L\$=51R(Y3(1)) NEXF I PRINT QU31L\$} L1=STR(Y2(1)) FRINT @1.5:L\$! FRINT PUBILES 00719 NASOD GOSUE 61600 00717 dASOS NEXT I KOTATE -S RETURN HEXT J RE TURN NEXT I · 9000 REM 8140 8050 8080 8080 13130 0006 9150 9160 9100 0018 910C 9140 +++1+++ ++11++

7999 REMYLIRAW RHO

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61610 REMPLACLFASSED IN CONTAINING NUMBER IN CHARACTER FORM THAI
61620 KEM IS 10 BE PRINTED OUT TO 3 DECIMAL PLACES
61630 KEM KESULTANT STRING ISTPASSED BACK IN L*
                 10000 FRINT 'ND BC FLOTS ARE AVAILABLE FOR PLOTTING"
                                              10051 OLD
10100 FRINT *ERROR WITH HISTORY TAPE FILE NUMBER 2*
10200 FIND 1
10201 OLD
                                                                                                                                                                                                                                                                                                                                  61700 REM NUMBER IS IN SCIENTIFIC NOTATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   60 10 -00 OF 61820,61810,61800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61880 REM SECTION TO PRINT DUT #>0
                                                                                                                                                                                                          FORMAT OF RESULT
                                                                                                                                                                                                                                                    00<>0 THEN 51700
                                                                                                                                                                                                                                                                                                                                                                                       IF 00>0 THEN 61880.
IF 00>-4 THEN 61780
L*** 0.000*
                                                                                                                                                                                                                                                                                                                                                              K*=SEG(L*,00+1,4)
                                                                                                                                                                                                                                         (14.3.4$1)804-00 05919
                                                                                                                                                                                                                                                                        L$=SEG(L$1116)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N#=SEG(L#111)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61340 L$-REP(**,2,1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61890 L$=E68(L$+1+5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GO=6-LEN(K*)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61920 RO-SHEN(K$) 61930 RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N.4-K+X-0.
                                                                                                                                                                                                                                                                                                                                                                               CO=VAL(K+)
9550 60 10 2845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 K*=K*8.0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   $1910 L$=L$8K$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             $18$V=$1 00019
                                 COCSO FIND 1
                                                                                                                                                                                                                                                                                                       RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                         RETURN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          51870 RETURN
                                                                                                                                                                                                             F.F.H
                                                                                                                                                                                                                                                                        01919
                                                                                                                                                                                           61630
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                                                             +++11+
                                                                         +++1+++
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Data Bystems Laboratory.
NATIONAL SPACE TECHNOLOGY LABORATORY.
NSTL Station, Mississippi, 39529.
                                                                                                                                                                                                                                                       FRINT "EXTERNAL LABEL" FYST IS NOT EQUAL TO TAPE LABEL "148
                                                   *Commuter Sciences Correlation*
                                                                                                                              Version: GB - Production*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FRINT 'INSERT INS HISTORY TAPE IN EXTERNAL TAPE UNIT
             ID SETS MANAGEMENT.
                                         Programmed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FRINT *** ENTER EXTERNAL LABEL ON HISTORY TAPE.
                                                                                                                                                       March 10,1982
                                                                                                                                                                                                                                                                                                                                                                              *** error ** this is not the correct *** FRESS 'RETURN' TO CONTINUE **
                                                                                                                                                                                                                                                                     .WOULD YOU LIKE TO STOP? (YZN).
                                                                                                                                                                             350 PRINT PRESS 'RETURN' TO CONTINUE *1
                                                                                                                                                                                                                                                                                                                                                                                                                                                      *ENTER DATE (ddmm's).
                                                                                                                                                                                                                                                                                                                                                                                                                               *ENTER USER-ID*
                                                                                                                                                                                                                                                                                            IF RECOVY THEN 2100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IF ZECYE THEN 2120
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PRINT QU2:DE
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                                                                                                                                                                                                                                 GO TO 2180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FIND GUT:0
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317 PRINT
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12 DATA 56

15 DATA 0.25.0.144

16 DATA 0.25.0.144

17 DATA 1.6.1.382

19 DATA 2.5.2.026

20 DATA 2.5.2.026

21 DATA 2.5.2.026

22 DATA 0.0.049

23 DATA 0.0.049

24 DATA 0.10.104

25 DATA 0.10.104

26 DATA 0.10.104

27 DATA 0.10.104

28 DATA 0.10.104

29 DATA 0.10.104

29 DATA 0.10.104

31 DATA 0.10.022

32 DATA 0.10.112

34 DATA 0.10.113

44 DATA 1.6.123

45 DATA 0.25.0.133

46 DATA 1.6.1.333

47 DATA 0.25.0.133

48 DATA 2.5.2.023

49 DATA 2.5.2.023

40 DATA 1.6.1.333

41 DATA 1.6.1.333

42 DATA 0.25.0.133

44 DATA 2.5.2.023

45 DATA 0.10.0.068

55 DATA 0.10.0.088

56 DATA 0.10.0.098

57 DATA 0.10.0.098

58 DATA 0.10.0.098

59 DATA 0.10.0.098

50 DATA 0.10.0.098

50 DATA 0.10.0.098

51 DATA 0.10.0.098

52 DATA 0.10.0.098

53 DATA 0.10.0.098

54 DATA 0.10.008

55 DATA 0.10.0.098

56 DATA 0.10.0.098

57 DATA 0.10.0.098

58 DATA 0.10.0.098

59 DATA 0.10.0.098

50 DATA 0.10.0.098

50 DATA 0.10.0.098

51 DATA 0.10.008

52 DATA 0.10.008

53 DATA 0.10.008

54 DATA 0.10.008

55 DATA 0.10.0098

56 DATA 0.10.0098

57 DATA 0.10.0098

58 DATA 0.10.0098

59 DATA 0.10.0098

50 DATA 0.10.0098
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```
MIH P(34),X0(31),W(7),M9(31),H8(31),00(31),01(31),02(31),03(31)
                                                                                                                                                                                                                                      *INSERT NEW HISTORY TAPE IN UNIT *1UZ
*FWESS 'KETUKN' TO CONTINUE *
                                   *ENTER HISTORY LABEL (IDSKX...X)*.
100 FRINT 'ENTER DATE (ma/dd/uu)'
                                                                                                                                                                                                                                                                                                                                                                                                                                                             *007HUCEOF1.60F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OUG PRINT RUZ: PLOTFILES**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : SYSTEM***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                120 PRINT BUZ: *PLOTSGC***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 010 NAFK BU2:3,5000 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1,1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PUT:11,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100 MARK BU2:1,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2170 FOR I=1 TO F(B)
2180 MI=MI+X(I)*WO
                                                                                                                                                                                                                                                                                                    MARK 6U2:1,3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FIND GUZ:5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FIND GUZ:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               070 FINE @U213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5100 FIND 60213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               040 PRINT PUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KEAD P(B)
                    INFUL ES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    F(7) = 1
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                                        FRINT
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PRINT "ENTER HEAN(OR CENTRAL STANDARD) FOR 1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRINT 'ENTER UPPER LIMIT FOR PRECISION"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINT 'ENTER 8.0, (OR STANDARD) FOR 1.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRINT 'ENTER UPPER LIMIT FOR ACCURACY'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRINT 'ENTER LOWER LIMIT. FOR ACCURACY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FRINT 'ENTER LOWER LIMIT FOR PRECISION'
                                                                                                                                      P(2)=(WI*H5-H1#H2)/(WI*H3-H1^2)
P(1)=(H2-P(2)#H1)/WI
P(4)=P(1)
                                                                                                                                                                                                          FUR I=1 TO P(B)
E=D+(Y(I)-F(I)-P(2)*X(I))^2
                                                                                                                                                                                                                                                   F(23)=1-B/(M4-M2-2/P(8))
                                                                                                                                                                                                                                                                                                                                                   G#####BBSH.tena livisi ovec
              M3=M3+X(I)*X(I)*W0
M4-M4+Y(I)*Y(I)*W0
                                     MS=MS+Y(I)*X(I)*W0
W1=W1+W0
                                                                                                                                                                                                                                                                              350 F(6)=D/(F(B)-2)
                                                                                                                                                                                                                                                                                                                                                               3450 FRINT PU2:ES.
                                                                              C-W1*H3-H1-2
                                                                                                                                                                                                                                                                                                                                                                             2450 FFRINT 6U2,2
2470 FIND 6U216
                                                                                                                                                                                                                                                                                                                       2420 P(27)=F(6)
                                                                                                                                                                                                                                                                                                                                    2430 FINE 602:5
                                                                                               F(10)=W1/C
                                                                                                              F(11)=M1/C
                                                                                                                            P(12)=N3/E
                                                                                                                                                                              F(5)=F(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2500 M2=0.032
                                                                                                                                                                                                                                                                                                           2410 F(29)=1
                                                                                                                                                                                                                                                                 380 F(3)=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2540 I=1.54
2550 00=I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2530 l=0.073
                                                                                                                                                                                                                                       NEXT I
                                                                                                                                                                                                                                                                                                                                                                                                                                                               2500 MI=1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2570 I=1.65
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2610 02±1
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MT=HT+KI) *MO

2650 E7431 2660 Ke0

1540 03-I

PRINT :ENTER UPPER LIMIT FOR PRECISION* PRINT 'ENTER S:D. (OR STANDARD) FOR 1.60" 9U21N. N7. X0. X0. X0. H9. D1. D0. X0. MB. D3. D2. W. W. K. K. K. K. PKINT "ENTER LOUER LIMIT FOR PRECISION" PRINT "ENTER LOWER LIMIT FOR ACCURACY" FRINT 'ENTER UPPER LIMIT FOR ACCURACY' FRINT "ENTER OP HISTORY FOR 1,60" FRINT "ENTER MEAN (OR STANDARD) FOR 1,60" FRINT PUT: "MOSFOF1.604" 27°0 H2=0.053 2770 HI=1.6 2300 [=0.12 2810 I=1.5 2820 00=1 2840 I=1.7 HOTHS THEN OFFERI THING ENGINE 2750 KEM 2760 KEM H9=H1 2253 FIMB 2370 I=0 7880 02*I 2970 CLOSE 2650 01-I 2"10 03-I 2780 REM PBGO KEM 2830 REH **H33 0787** CTPO KEM 2790 OLD 29.39 047.3 0767

3000 REM END OF PROGRAM

2/20 FKIRT BU2:*HOGEQL1.60#* 2/30 FRINT BU2:K-D7;X0-X0-M9;Q1-Q0-X0-M8;Q3-D2-W-W-K-K-K 2740 FIND 0U2:7

M9.H1 1710 HB-M2

27.00

0695

2670 X0±0 2=0 2580 W±0

110 PKINT 832,26:0

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ABOUT FREVIOUS BAYS SO THAT THE DC PLOTS WILL SHOW DAILY FROGRESS. IT IS SUPPOSED TO REMOVE THE INDIVIDUAL PLOT FILES SO THAT A "FFESH" HISTORY TAPE EACH DAY.
            TO UPDATE THE HISTORY FILE BETWEEN
                      IT IS SUPPOSED TO LEAVE IN THE INFORMATION
                                                                                                                                                                                     INSERT HISTORY TAPE INTO INTERNAL TAPE DRIVE.
HANE SUKE WRITE PROTECT IS NOT ON SAFE.
                                                                                                                                                                                                                                                  - DEVICE NUMBER OF INTERNAL TAPE DRIVE
                                                                                                                                                                            BEGIN PROGRAM TO UPDATE HISTGRY TAPE.
                                                                                                                                                                                                                                                                                                                                    TEMPORARY INDEX VARIABLE
                                                                      05/04/81
COMPUTER SCIENCES CORPORATION
1SAAC WILLY TRAXLER
NSTL STATION, MS
                                                                                                                                                                                                         * PRESS HUME PAGE TO START PROGRAM*
                                                                                                                                                                                                                                                                                                                                                         *** SECTION TO UPDATE FILE 1
          KEM THIS FROGRAM IS SUPPOSED I
                                                                                                                                 FEM DO SUNE FREYIMINARIES
                                                                                                                                                                                                                              BEGIN PROCESSING.
                 EACH DAILY RUN.
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*INSERT STATISTICS PROGRAM TAPE INTO INTERNAL TAPE DRIVE.
*PRESS 'HUME PAGE' TO CONTINUE. "YOU HAY REHOVE THE TAPE NOW" 770 KEH ### END OF SECTION FOR FILE 3 730 KEH FIND BEGINNING OF TAFE 700 KEH *** END OF FILE 2 SECTION ***
710 KEM FIND BEGINNING OF TAFE 640 KEN PUT TAPE AT BEGINNING OF FILE .TAPE PROCESSING FINISHED. 650 REM 114 SECTION FOR FILE 2 114 730 KEM *** SECTION FOR FILE 3 *** 800 KEM 444 SECTION FOR FILE 4 444 630 KEN END OF FILE 1 SECTION 670 FIND 2 AE9 FRINT @U1:*:SYSTEM####* 690 CLOSE 740 FIND 3 750 FKINT QUIT-FLOTFILES** 760 CLOSE 820 FRINT BULL PLOTSOCTUR. 650 FIND 0 720 FIND 0 790 FIND 0 BIO FIND 4 FRIM B70 FRINT 950 FIND 1 930 CRINT 95.0 FRINT aro print 346 PRINT THIST CCE 920 FRINT PARTINE HZO PKINI END PRINT 043 016

930 KEH END OF PROGRAH

970 OLB

```
F(2)=(W1#H5-H1#H2)/(W1#H3-H1^2)
F(1)=(H2-P(2)#H1)/W1
                                                                                                                                                                                                                                                                                 2350 FOR 141 10 P(8)
2350 - B=B+(Y(1)-P(1)-P(2)#X(1))~2
                                                                                                                                                                                                                                                                                                            1.(23)=1-0/(H4-H2_2/P(B))
                              D DIM X(P(B)), Y(P(B))
0 FOR 1=1 TO P(B)
0 FEED X(1), Y(1)
1 HEXT 1
1 H1=0
                                                                                                                                       M1-M1+X(I)#W0
M2-M2+Y(I)#W0
M3-M3+X(I)#W0
M4-M4+Y(I)#X(I)#W0
M5-M5+Y(I)#W0
M1-W1+W0
                                                                                                                                FOR I+1 TO P(B)
                                                                                                                                                                                                                                                                                                                             P(6)=0/(P(8)-2)
                                                                                                                                                                                                    C-W1*M3-H172
F(10)-W1/C
                                                                                                                                                                                                                      F(11)=H1/C
                                                                                                                                                                                                                               P(12)-H3/C
                                                                                                                                                                                                                                                                                                                                             2479 F(29)=1
2430 F(27,=F(6)
                                                                                                                                                                                                                                                        F(4):F(1)
                         READ P(8)
                                                                                                                                                                                                                                                                 F(5) = F(2)
find
                                                                                                                                                                                                                                                                                                   NEXT I
                                                                                                                                                                                                                                                                                                                     P(3)=2
                F(7)=1
                                                                                                                                                                                           NEXT I
                                                                                                                                                                                                                                                                                                                                     1-(6)4
₽±0
₩1±0
                                                                                                      H5-0
                                                                            M2=0
                                                                                             F.4 = 0
                                                                                     H 3=0
                                                                                                               O=M
                                                                                                                        W0=1
                2290
                                                                                                                                                                                                                                                                                                  2370
2380
2390
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```
DIM P(34),X0(31),W(7),H9(31),HB(31),D0(31),D1(31),D2(31),U3(31)
                                                                                                                                                                                                        *INSERT NEW HISTORY TAPE IN UNIT * #UZ * FREES * RETURN* TO CONTINUE * ...
                          20 FRINT "ENIER HISTORY LABEL (IDSKX...X)"
FRINT 'ENTER DATE (AM/dd/ww)"
                                                                                                                                                                                                                                                                                                                                             euz: *003FLOTFILES#P*
euz: *004FLOTSUC###P*
                                                                                                                                                                                                                                                                                                                                                                            eug: .005HR666*****P.
                                                                                                                                                                                                                                                                                                                                                                                         380 FKINT BU2: 003H8GBAL,108P*
                                                                                                                                                                                                                                                                                                                              PULL - 0025YSTEM###PP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                040 PRINT PU2:"SYSTEM####:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OCO PRINT BUTT-FLOTFILES#"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FRINT GUZ: FLOYSOC###
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2960 DIM X(F(B))+Y(F(B))
1070 FUR I=1 TO F(B)
2020 - KEAD X(I)+Y(I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            eu2:1,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MARKY RU2:11,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                    020 NARK 8U211/1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2010 MARK PU2:3,5000
                                                                                                                                                                                                                                                     FIND 8U2:0
HARK 8U2:1,3000
                                                                                                                                                                                                                                                                                                                                                                                                                    FRINT RULES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COO FIND BUZIS .
                                                                                                                                                                                                                                                                                                              310 FRINT GUZ:C$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FIND PH212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                550 FIND PU2:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .670 FIND PU2:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FINE PINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FIND 602:4
                                                                                                                                                                                                                                                                                                                                                                                                                                     010 FIND PUP:2
                                                                                                                                                                                                                                                                                  FIND GU2:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2050 READ P(B)
                                          INPUT CS
             INFUT BE
                                                                                                                                                                                                                                                                                                  C$-C$3F4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2040 P(7)=1
                                                                                                                   F(29)a1
                                                                                       F(6)=1
F(3)=1
                                                                                                                                                                                                                                                                                                                              320 FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1X 3B 67.67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MARK
                                                                                                                                                                                                                                      INFUT
                                                                                                                                                                                                                                                                                                                                                                         350 PRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0=10 OF02
                                                                                                                                                                                                          FKINT
                                                                                                                                                                                                                                                                                                                                                          340 FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2110 M2=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0=4 000c
                                                                                                                                                                                            X4=0
                                                                           F.=0
                                                                                                                                                               117-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           00:
                                                          140
                                                                                                    021
```

```
730 FRINE BUZ:K, D7, X0, X0, M9, 01, 00, X0, H8, 03, 02, W.W.K, K, K, K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *ENTER OL HISTORY FOR ,108*
*ENTER HEAN(OR CENTRAL STANDARD) FOR ,108*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      *ENTER S.D. (OR STANDARD) FOR .108*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        *ENTER UPPER LIMIT FOR PRECISION*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            *ENTER LOWER LIMIT FOR PRECISION*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  *ENTER LOWER LIHIT FOR ACCURACY*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             *ENTER UPPER LIMIT FOR ACCURACY*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2750-FRIHT *ENTER OL HISTORY FOR ,216*
                                                                                                                                                                            P(2)=(W1*H5-H1*H2)/(W1*H3-H1-2)
                                                                                                                                                                                                                                                                        D=D+(Y(I)-P(I)-P(2)*X(I))^2
                                                                                                                                                                                                                                                                                                  P(23)#1-D/(H4-H2-2/P(B))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2720 FRINT BU2: "HOGBOL, 108**
                                                                                                                                                                                                                                                                                                                                                                                                                FRINE GUZ: HRGEFFFFFFF
                                                                                                                                                                                            P(1)=(h2-F(2)*H1)/W1
                                        M3=M3+X(I)#X(I)#W0
H4=H4+Y(I)#Y(I)#W0
H5=H5+Y(I)#X(I)#W0
FOR I=1 TO P(B)
H1=H1+X(I)*W0
                                                                                                                                                                                                                                                      FUR I=1 TO P(8)
                                                                                                                                                                                                                                                                                                                                  P(6)=0/(P(B)-2)
                                                                                                                                                                                                                                                                                                                                                                                                                               PU2: ES, P
                            M2=H2+Y(I) #W0
                                                                                                                    1=W1*H3-H1-2
                                                                                                                                                                                                            P(4)=F(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FIND GUZ:6
                                                                                                                                F(10)=W1/C
                                                                                                                                                 F(11)=M1/C
                                                                                                                                                                P(12)=H3/C
                                                                                                                                                                                                                                                                                                                                                                               F(27)=F(6)
                                                                                                                                                                                                                                                                                                                                                                                                 FIND GUZ:5
                                                                                      W1=W1+W0
                                                                                                                                                                                                                          P(5)=P(2)
                                                                                                                                                                                                                                                                                                                                                                  F(29)=1
                                                                                                                                                                                                                                                                                                                     F(3)=2
                                                                                                                                                                                                                                                                                       HEXT I
                                                                                                                                                                                                                                                                                                                                                 P(9)=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFUL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INCUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TUPNI
                                                                                                                                                                                                                                                                                                                                                                                                                               FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                              FEINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           コニュ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PKIRF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRIHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     H9=H1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FRIE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07 = 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1=Z()
                                                                                                                                                                                                                                                                                                                    500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2550
                                                                                                                                                                                                                                                                                                                                                 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            019
```

2760 FRINT 'ENTER HEAN (UR STANDARD) FOR .216*
2770 INFUT NI
2780 PRINT 'ENIER S.D.(OR STANDARD) FOR .216*
2780 PRINT 'ENIER LOWER LIMIT FOR ACCURACY*
2810 INFUT I
2820 OFRINT 'ENTER UPPER LIMIT FOR PRECISION*
2840 FRINT 'ENTER UPPER LIMIT FOR PRECISION*
2850 OI=1
2850 OI=1
2850 FRINT 'ENTER UPPER LIMIT FOR PRECISION*
2850 INFUT I
2850 INFUT I
2850 FRINT 'ENTER UPPER LIMIT FOR PRECISION*
2850 FRINT UPPUT I
28

3000 REM END OF PROGRAM

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LIM F (34), X0(31), W(7), H9(31), H8(31), G0(31), G1(31), G2(31), G3(31)
                                                                                                                                                                                                                                                                                                                     FRINT 'INSERT NEW HISTORY TAPE IN UNIT •102
FRINT "FRESS 'RETURN' TO CONTINUE •
                                                                                                                  FRINT 'ENTER HISTORY LABEL (IDBXX...X)
INFUT C.
                                                                                        100 FRINT 'ENTER DATE (ME/dd/ss).
                                                                                                                                                                                                                                                                                                                                                                                                                                                      PULL OORSYSTEM ** **
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     @U21*004FL0TSQC***F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PU2: *005HRGD*****F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  169 FKINT AUZ: OOGHUGBALI.60F
170 FKINT AUZI: OOZHAGBAPI.60F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OBO FRINT BUR! PLOTFILES#*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRINT BUZ: SYSTEH####
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             120 FRINT BUZ: *PLOTSOC***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2050 BIM X(F(B)), Y(P(B))
                                                            22 DATA.4.1,4,237828
24 DATA 0,0,158099
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100 MARK 8U2:1,5000
              DATA 0.1,0,202791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MARK RU211,1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MARK @U2:1,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2010 MARK BU2:3,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2070 FOR I=1 TG P(B)
2080 READ X(I),Y(I)
                                             20 DATA 1.3,1,35552
                                                                                                                                                                                                                                                                                                                                                                       FIND GU2:0
MARK GU2:1,3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRINT RUZ, 21
                                                                                                                                                                                                                                                                                                                                                                                                                                      eU1:C$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           090 FIND 6U2:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               030 FIND 0U212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FIND 002:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                110 FIND GHZ:A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stone BIND GU2:5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31209 GR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IND GU2:3
                                                                                                                                                                                                                                                                                                                                                                                                    FIND QU2:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              eso READ P(0)
                                                                                                           INPUT BA
                                                                                                                                                                                                                                                                                                                                                                                                                      C$=C$$fit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1=(/) d Obo:
                                                                                                                                                                                                                           F(29)=
DATA 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0-1M (50)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 330
                                                                                                                                                                                                                                                                                                                                                                                                                                   310
                                                                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                                                     240
                                                                                                                                                         40
                                                                                                                                                                                                                                                                                                                                     250
                                                                                                                                                                                                                                                                                                                                                      09
                                                                                                                                                                                                                                                                                                                                                                                                    06
```

```
FRINT *ENTER UPPER LIMIT FOR ACCURACY*
                             2570 I=1.66
2590 01=I
2550 KEM
```

PRINT *ENTER LOWER LIMIT FOR ACCURACY*, 2540 I=1.54 2550 BO=1 2530 REM

PRINT "ENTER S.D. (OR STANDARD) FOR 1.6 2520 M2=0.032 2510 REM

FRINT "ENTER OL HISTORY FOR 1.6 FRINT "ENTER MEAN(OR CENTRAL BTANDARD) FOR 1.6 2500 M1=1.6

2480 REM 2490 REM

PRINT GUZT'HRSB*** P(6)=0/(P(8)-2) PUT: ECT 450 THIN4 054 420 F(27)+F(6) 1430 FIND 0U215 2470 FIND @U216 410 F(29)=1 400 F(9)=1 FRINT

D=D+(Y(I)-P(1)-P(2)*X(I))"2 370 F(23)=1-D/(H4-H2-2/P(B)) FOR 1=1 TO P(B) 300 F(3)=2

OM#(I)XX(I)X+SW=S C=W1*H3-H172 (11)=H1/C (10)=M1/C w1=w1+w0

(2)=(W1*M5-M1*M2)/(W1*M3-M1^2) (1)=(M2-P(2)4M1)/W1

(4)=F(1) P(5)=P(2)

OM#(I)#K(I)X+EH=F .MI=H1+X(I)*WO M2=H2+Y(I)*WO H420 C 2120 2140

2100

```
PRINT 'ENTER 8.D. (OR STANDARD) FOR 1.60*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRINT "ENTER UPPER LIMIT FOR PRECISION"
2720 FRINT 8U21*HBBBBL1.60**
2730 FRINT 8U2:K,D7,XG,XO,H9,B1,(3,XO,H8,B3,B2,W,W,K,K,K,K
2740 FIND 8U2:7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2750 FRIET BUZ: N. 07, X0, X0, M9, D1, D0, X0, HB, D3, D2, W. W. K.K.K.
                                                                                                                                                                                                                                                                                                                                                                                    FRINT 'ENTER LOWER LIMIT FOR PRECISION'
                                                                                                                                                                                                                  PRINT *ENTER LOWER LIMIT FOR AGCURACY
                                                                                                                                                                                                                                                                                                     FRINT "ENTER UPPER LIHIT FOR ACCURACY"
                                                            PRINT 'ENTER OP HISTON, FOR 1,60°
PRINT 'ENTER HEAN (OR STANL 9D) FOR 1,60°
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2910 03=1
2920 M9=M1
2930 M8-M2
2940 FRINT @U2:*!!@GB@P1.60**
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9550 PRINT RUB-2
                                                                                                                                                                                2790 H2=0.053
                                                                                                                2770 M1=1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2900 I=0.12
                                                                                                                                                                                                                                                    2010 I=1.5
2320 00=I
                                                                                                                                                                                                                                                                                                                                      2840 I=1,7
2850 Oi=I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             380 TO 0785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             THILL 0353
                                                                                                                                                                                                                 2800 REH
                                                                                                                                                                                                                                                                                                                                                                                                                   2870 I=0
2880 02=I
                                                                                 3760 KEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2890 KEM
                                                              2750 KEM
                                                                                                                                               2780 REM
                                                                                                                                                                                                                                                                                                     2630 REM
                                                                                                                                                                                                                                                                                                                                                                                    2860 REM
```

3000 REM END OF PROGRAM

2660 I=0 2610 02=I

2630 I=0.073

2620 REM

2640 03#I 2650 D7#31

K=0 X0=0

0=1

0=2

2700 H9=M1 HB=H2

PRINT 'ENTER UPPER LIMIT FOR PRECISION'

```
145 DATA 0.2570.144
15 DATA 0.2570.144
16 DATA 1.611.382
17 DATA 0.2570.144
18 DATA 0.2570.144
19 DATA 2.572.0226
19 DATA 2.572.0226
19 DATA 2.572.0226
19 DATA 0.10.104
23 DATA 0.0.044
24 DATA 0.1.0.104
25 DATA 0.1.0.104
26 DATA 0.1.0.107
31 DATA 0.1.0.107
32 DATA 0.1.0.107
33 DATA 0.1.0.107
34 DATA 0.1.0.107
35 DATA 0.1.0.107
36 DATA 2.572.022
37 DATA 0.1.0.107
38 DATA 2.572.022
39 DATA 2.572.022
39 DATA 2.572.022
39 DATA 2.572.022
39 DATA 2.572.022
30 DATA 2.572.022
30 DATA 2.572.022
30 DATA 2.572.022
30 DATA 0.1.0.107
30 DATA 0.107
30 DATA 0
```

```
DIM P(34), X0(31), W(7), H9(31), HB(31), D0(31), D1(31), D2(31), D3(31)
                 110 INFUT B*
120 FRINT "ENTER HISTORY LABEL (IDSHK...K)"
                                                                                                                                                                                      'INSERT NEW HISTORY TAPE IN UNIT
100 FKINT "ENTER DATE (BB/dd/su)"
                                                                                                                                                                                                                                                                                                       0U2:*003FLOTFILES#P*
QU2:*004FLOTSQC**#P*
                                                                                                                                                                                                                                                                                                                                   PU2: *005HRGE*****P
                                                                                                                                                                                                                                                                                           BU21 * 002SYSTEM***P
                                                                                                                                                                                                                                                                                                                                             GU2: *005HQGBQL1.60P
                                                                                                                                                                                                                                                                                                                                                          570 FRINT 8U2: 007HUGBUF1.60P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRINT BUZ: FLOTFILES*
                                                                                                                                                                                                                                                                                                                                                                                                                               PRINT DUZI SYSTEMMEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FRINT GUZ: FLOTSOC***
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DIM X(F(B)),Y(F(B))
                                                                                                                                                                                                                                                                                                                                                                                                  GU2:1,1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                       MAKK @U2:1,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAKK BU2:1,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FINE 602:5
NAME 602:3,5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FOR 1=1 TO P(8)
READ X(1),Y(1)
                                                                                                                                                                                                                                        MARK @U211,3000
FINE @U2:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        M1=M1+X(I)*W0
                                                                                                                                                                                                                                                                                                                                                                         .030 FRINT @U2+2:
                                                                                                                                                                                                                                                                                8U2:C$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FIRM GUS:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FIND GU2:4
                                                                                                                                                                                                                                                                                                                                                                                                                 TRE 20212
                                                                                                                                                                                                                                                                                                                                                                                                                                            FIRE GU2:3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FIRM @U2:3
                                                                                                                                                                                                                            FIND GUZ:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             READ P(B)
                                                                                                                                                                                                                                                                   C$=C$$B$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NEXT 1
                                                                                                         F(29)-1
                                                                                 P(6)=1
                                                                                             F(3)=1
                                                                                                                                                                                                                TOWN
                                                                                                                                                                                                                                                                                                                                                                                                     MARK
                                                                                                                                                                                                                                                                                                                                                140 PEINT
                                                                                                                                                                                                                                                                                KINI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7.4±0
                                                                                                                                                                                                    PRINT
                                                                                                                                                                                                                                                                                                                     140 FRINT
                                                                                                                                                                                                                                                                                                                                    TWING OFF
                                                                                                                                                                                       FRINT
                                                                                                                                                                                                                                                                                              TEINT
                                                                                                                                                                                                                                                                                                          FRINT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 H1-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1110 M2:-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          M.3=0
                                                                    F::0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   140
                                                      ç
```

```
PRINT 'ENTER HEAN(OR CENTRAL STANDARD) FOR 1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRINT "ENTER UPPER LIHIT FOR PRECISION"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRINT "ENTER $.D.(OR BTANDARD) FOR 1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRINT "ENTER UPPER LIHIT FOR ACCURACY"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FRINT *ENTER LOWER LIMIT FOR PRECISION*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FRINT 'ENTER LOWER LIMIT FOR ACCURACY.
                                                                                                                        F(12)=H3/C
F(2)=(W1*H5-H1*H2)/(W1*H3-H1~2)
F(1)=(H2-F(2)*H1)/W1
                                                                                                                                                                                                        FOR I=1 TO F(B)
D=D+(Y(I)-F(1)-F(2)*X(I))^2
                                                                                                                                                                                                                                                F(23)=1-E/(H4-H2-2/P(B))
                                                                                                                                                                                                                                                                                                                                               PKINT QU2:"HRGE*****P"
PKINT QU2:D*,P
PKINT QU2;2:
                             M4=M4F(I)*F(I)*W0
M5=M51F(I)*X(I)*W0
             M3: M31X(I)*X(I).#W0
                                                                                                                                                                                                                                                                            F(6)=b/(P(8)-2)
H2=H2+Y(I) #W0
                                                                                 C=W1*H3-H172
                                                                                                 F(10)=W1/C
                                                                                                              P(11)=M1/C
                                                                                                                                                                                                                                                                                                                     F(27)=P(6)
FIND @U2:5
                                                                                                                                                                                                                                                                                                                                                                                        2470 FIND BU2:6
                                                       WI-WI-WO
                                                                                                                                                                              F(S)=F(2)
                                                                                                                                                                  F(4)=F(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2520 M2=0.032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2630 1=0.073
2640 03-1
2650 17=31
2660 K=0
                                                                                                                                                                                                                                                                                                        1=(6.29)=1
                                                                     NEXT
                                                                                                                                                                                                                                     NEXT I
                                                                                                                                                                                                                                                              F(3) = 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                          2500 MI=1.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2570 I=1.66
2580 01=I
                                                                                                                                                                                                                                                                                           F(9)=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2550 1=1.54
2550 00=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26to 02-I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2510 REN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2530 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                 2490 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2560 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Séco REM
                                                                                                                                                                                                                                                                                                                                                                                                                  2400 REH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2590 REM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3500 I=0
                                                                                                                                                                                                                                                               .380
                                                                                                                                                                                                                                                                            350
                                                                                                                                                                                                                                                                                          400
                                                                                                                                                                                                                                                                                                                                                 0440
                                                                                                                                                                                                                                                                                                                                                              1100
                                                                                                                                                                                                                                                    3.70
                                                                                                                                                                                                                                                                                                                                                                            2460
```

PRINT "ENTER UPPER LIMIT FOR PRECISION" 2940 PRINT BU2: NAGEGE1.60** 2950 FRINT BU2:K, U7, X0, X0, M9, O1, O3, X6, M8, O3, O2, W, W, K, K, K 2950 FRINT BU2, 2; FRINT 'ENTER LOWER LIMIT FOR PRECISION' FRINT 'ENTER LOWER LIHIT FOR ACCURACY" PRINT 'ENTER UPPER LIMIT FOR ACCURACY" 2900 I=0.12 2910 U3=I 2920 M9=M1 2930 M8=M2 2810 I-1.5 2820 00=f 2840 I=1,7 2850 01=I 2970 CLUSE FIND 2870 I=0 2880 02=1 2000 REM 2860 REH 2830 REH 2890 KEM 2990 OLD 2980

3000 KEM END OF PROGRAM

FRINT 'ENTER 9.0.(OR BTANDARD) FOR 1.60'

2790 H2+0,053

2770 M1-1.6

2780 REM

2750 REH 2760 REH

FRINT 'ENTER OF HISTORY FOR 1,60° FAINT 'ENTER MEAN (OR STANDAKD) FOR 1,60°

2670 X0±0 2680 W=0 2680 Z=0 2700 H9=H1 2710 H9=H1 2720 FKINT @U2:*HGGBQL1.604* 2730 FKINT @U2:X0.X0.H9.Q1.Q0.X0.H8.D3.G2.W.W.K.K.K. 2730 FKINT @U2:X

. 1 GO 10 100 4 UPEUT ALL 301A 5 FEINT WALTE, 110 INFUL FILE NUMBER: 120 FIND QALE ++++++++ 130 INFUL WALE 130 FIND QALE ++++++++ 130 INFUL WALE 130 FIND QALE 150 FIND QALE 150 FIND QALE